

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

[5.1 Ozone statistics based on quality of products](#)

[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

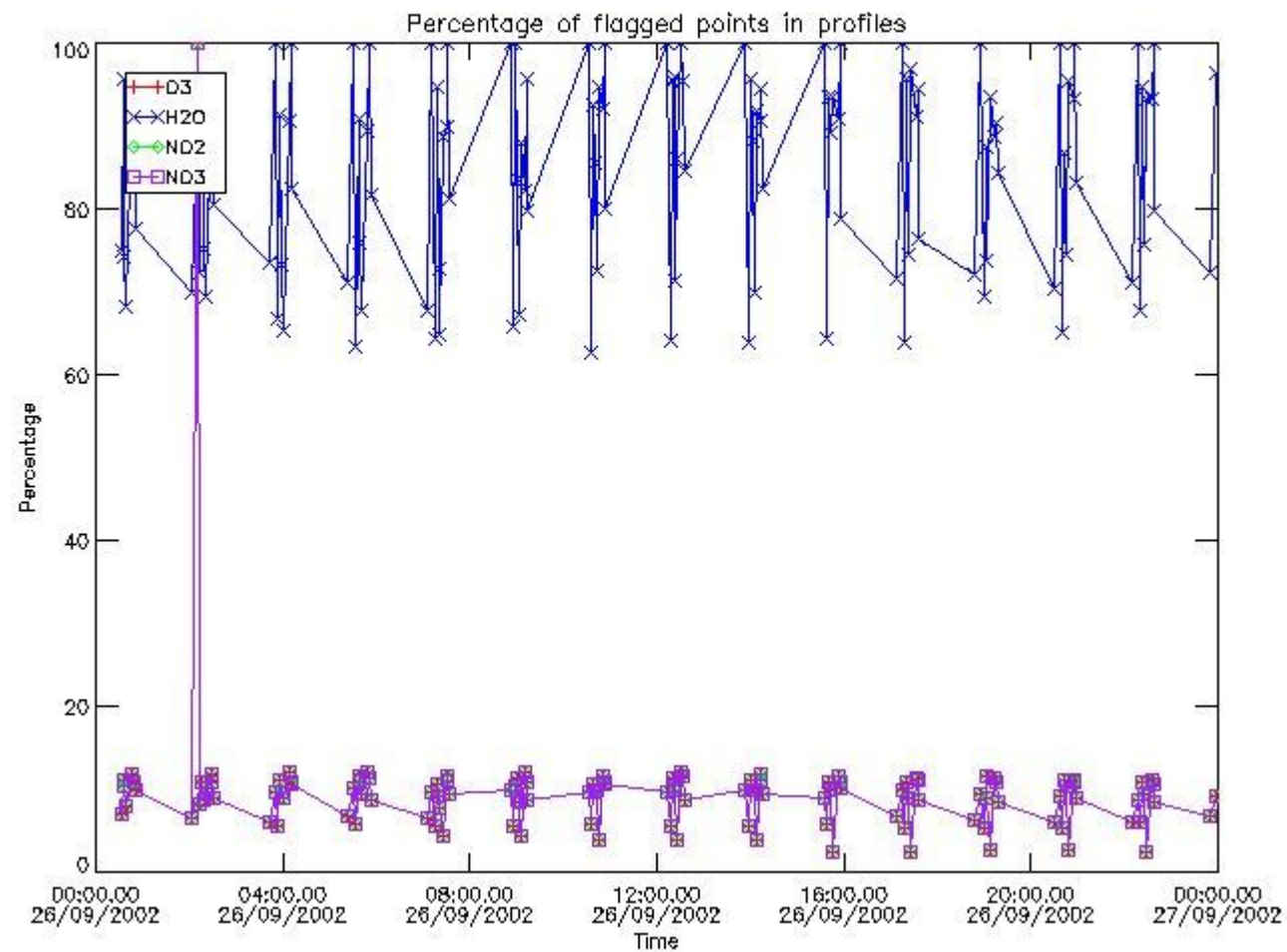
[6. Auxiliary Data Files used for the production reported in section 2](#)

338	GOM_NL__2PRFIN20020926_224410_000000512009_00445_03004_3144.N1	26-SEP-2002 22:44:10	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	3004	No
339	GOM_NL__2PRFIN20020926_225103_000000582009_00445_03004_3145.N1	26-SEP-2002 22:51:03	Twl_and_stray	58.000	52	16Bet Cet	2.0370	4500.0	116	3004	No
340	GOM_NL__2PRFIN20020926_225727_000000452009_00445_03004_3146.N1	26-SEP-2002 22:57:27	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	3004	No
341	GOM_NL__2PRFIN20020926_230122_000000442009_00445_03004_3147.N1	26-SEP-2002 23:01:22	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	3004	No
342	GOM_NL__2PRFIN20020926_230503_000000482009_00445_03004_3148.N1	26-SEP-2002 23:05:03	Bright	48.000	93	53Bet Peg	2.5200	3100.0	96	3004	No
343	GOM_NL__2PRFIN20020926_231116_000000462009_00445_03004_3149.N1	26-SEP-2002 23:11:16	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	3004	No
344	GOM_NL__2PRFIN20020926_231443_000000492009_00445_03004_3150.N1	26-SEP-2002 23:14:43	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	3004	No
345	GOM_NL__2PRFIN20020926_231611_000000492009_00445_03004_3151.N1	26-SEP-2002 23:16:11	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	3004	No
346	GOM_NL__2PRFIN20020926_232225_000000442009_00445_03004_3152.N1	26-SEP-2002 23:22:25	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3004	No
347	GOM_NL__2PRFIN20020926_232411_000000412009_00445_03004_3153.N1	26-SEP-2002 23:24:11	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	3004	No
348	GOM_NL__2PRFIN20020926_233012_000000472009_00445_03004_3154.N1	26-SEP-2002 23:30:12	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	3004	No
349	GOM_NL__2PRFIN20020926_233143_000000412009_00445_03004_3155.N1	26-SEP-2002 23:31:43	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	3004	No
350	GOM_NL__2PRFIN20020926_233334_000000772009_00445_03004_3156.N1	26-SEP-2002 23:33:34	Bright	77.000	42	34Bet Aur	1.9000	10200.	154	3004	No
351	GOM_NL__2PRFIN20020926_233741_000000932009_00445_03004_3157.N1	26-SEP-2002 23:37:41	Bright	92.500	107	37The Aur	2.6490	11000.	185	3004	No
352	GOM_NL__2PRFIN20020926_234050_000002552009_00445_03004_3158.N1	26-SEP-2002 23:40:50	Straylight	255.00	114	3lot Aur	2.6930	4600.0	510	3004	No
353	GOM_NL__2PRFIN20020926_235021_000000752009_00445_03004_3159.N1	26-SEP-2002 23:50:21	Dark	74.500	8	10Alp CMi	0.40000	6500.0	149	3004	No
354	GOM_NL__2PRFIN20020926_235735_000000562009_00445_03004_3160.N1	26-SEP-2002 23:57:35	Dark	56.000	132	15Rho Pup	2.8030	6900.0	112	3004	No

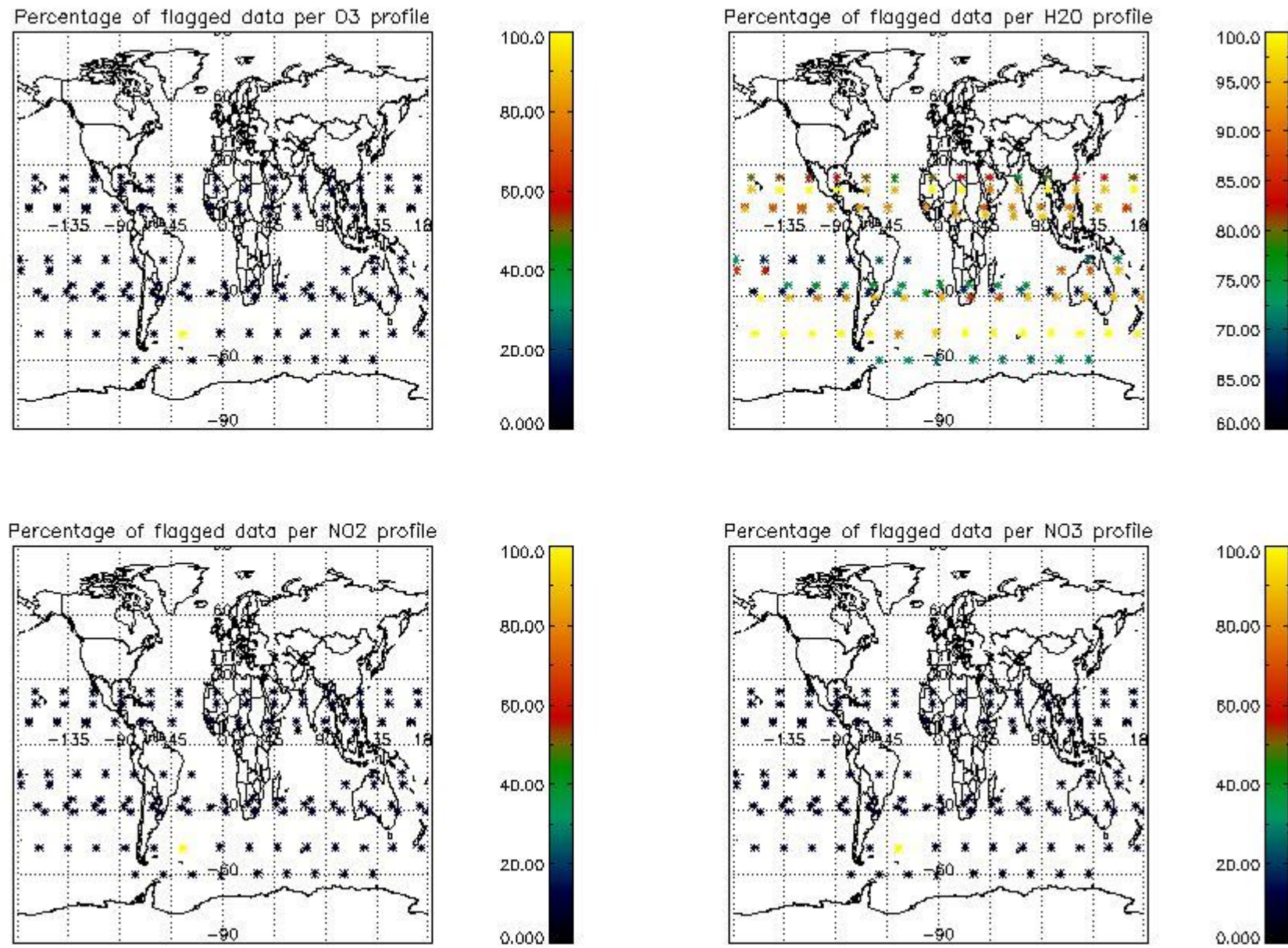
3. Quality information per product

In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)



3.2 Plot quality information per product (world map)

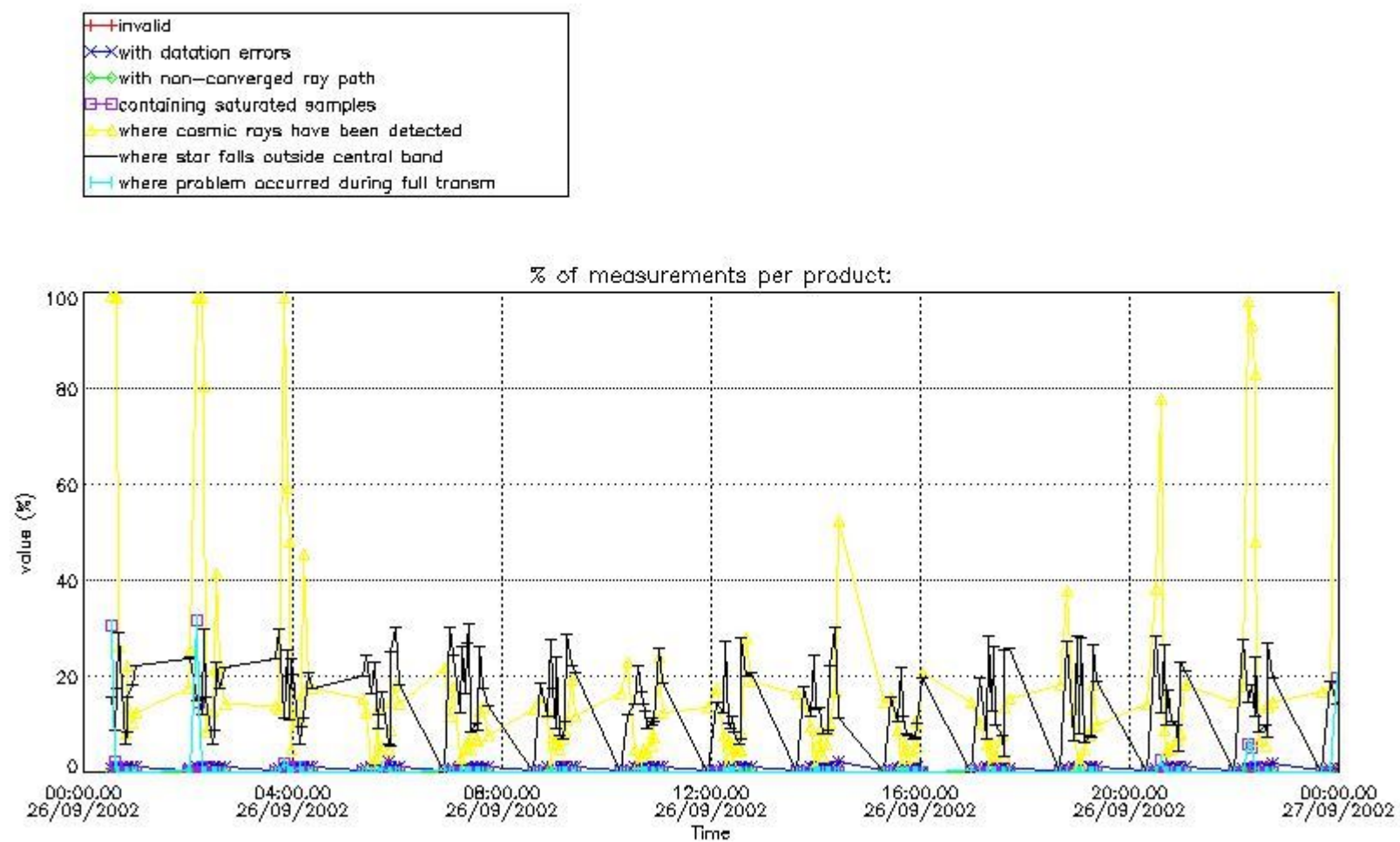


4. Level 1 quality information per product

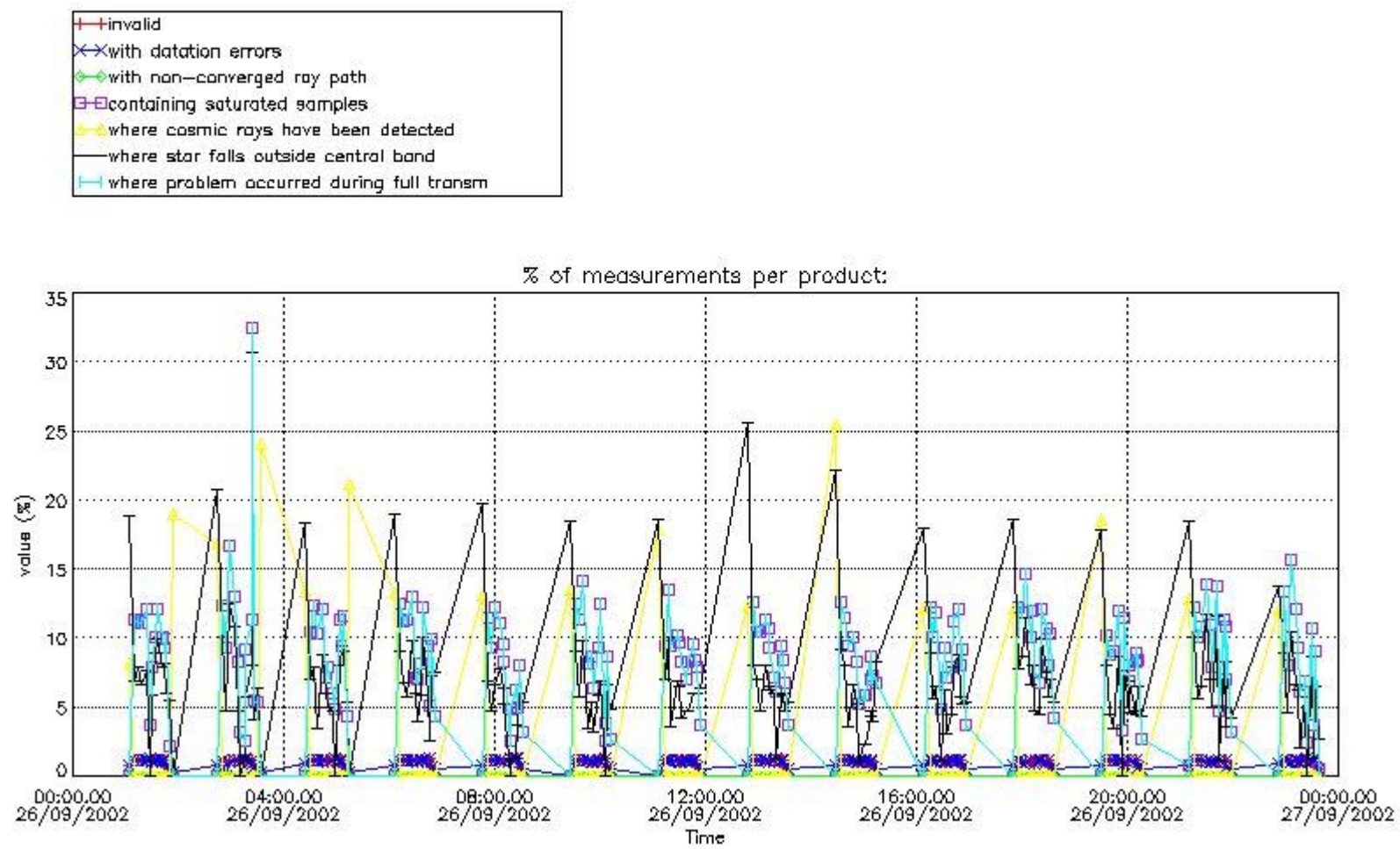
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

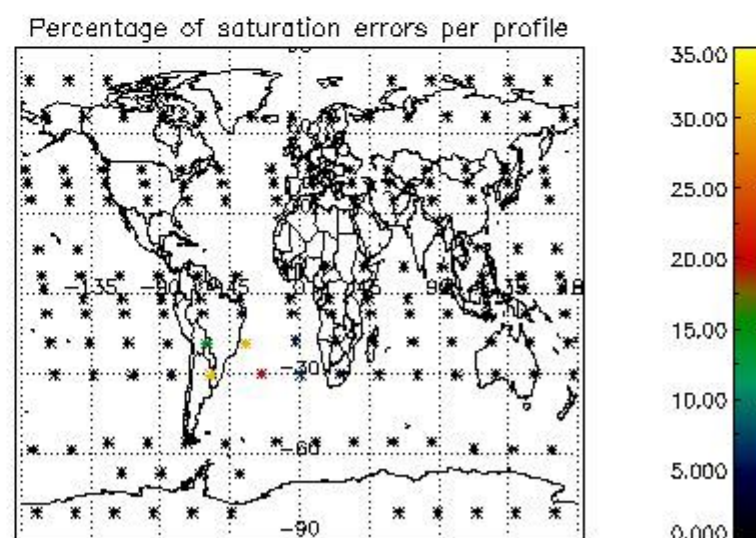
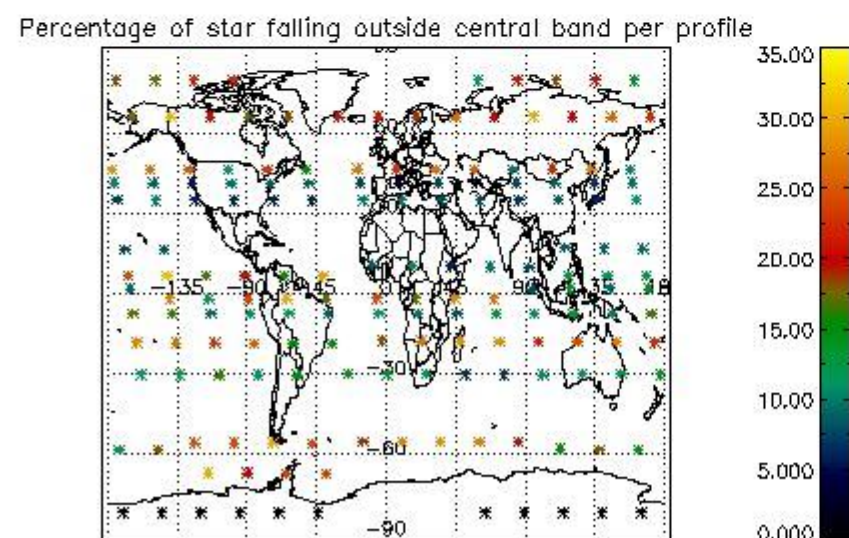
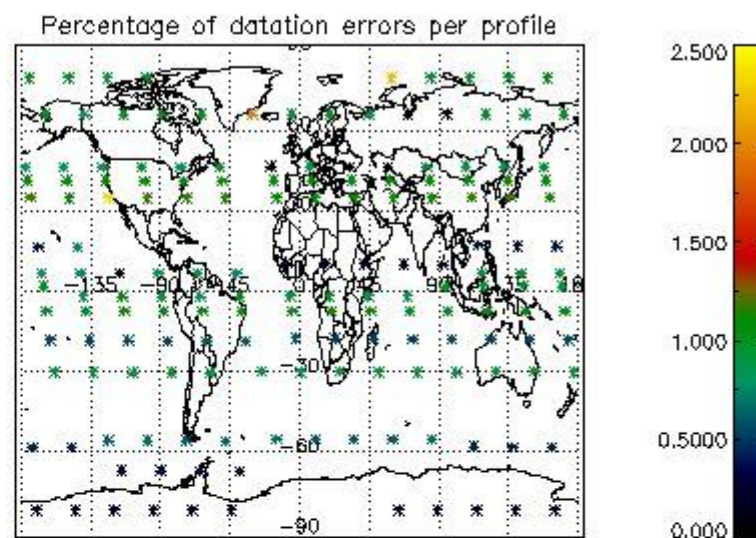
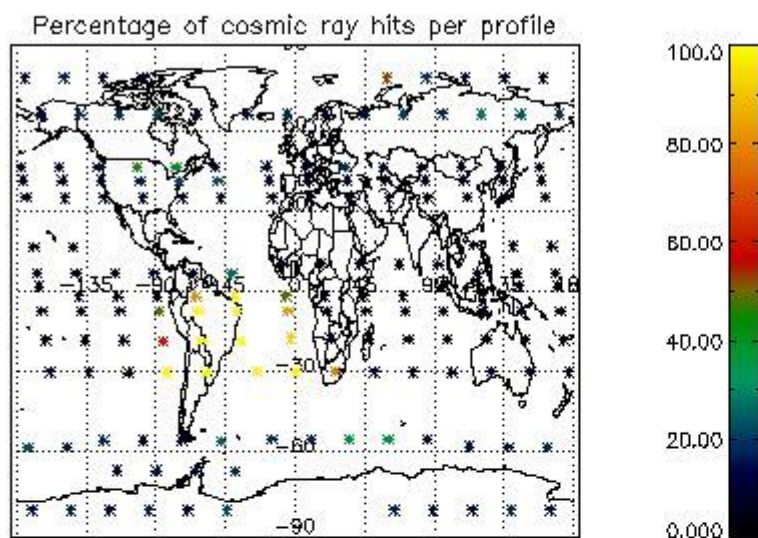


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

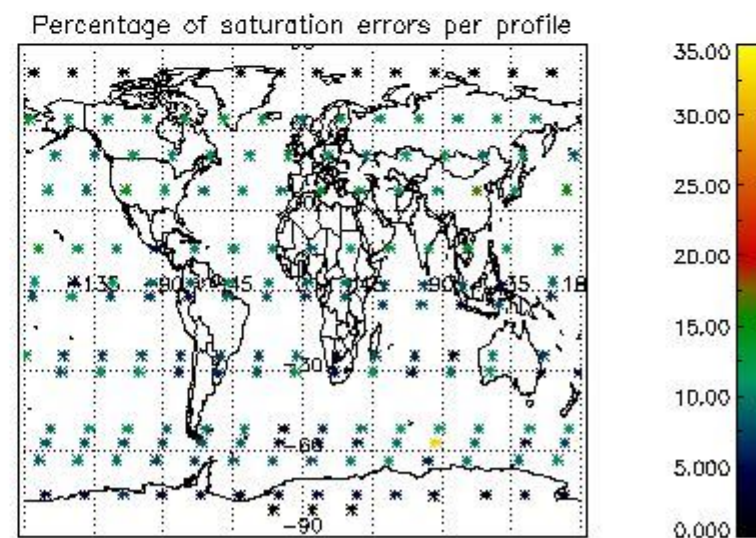
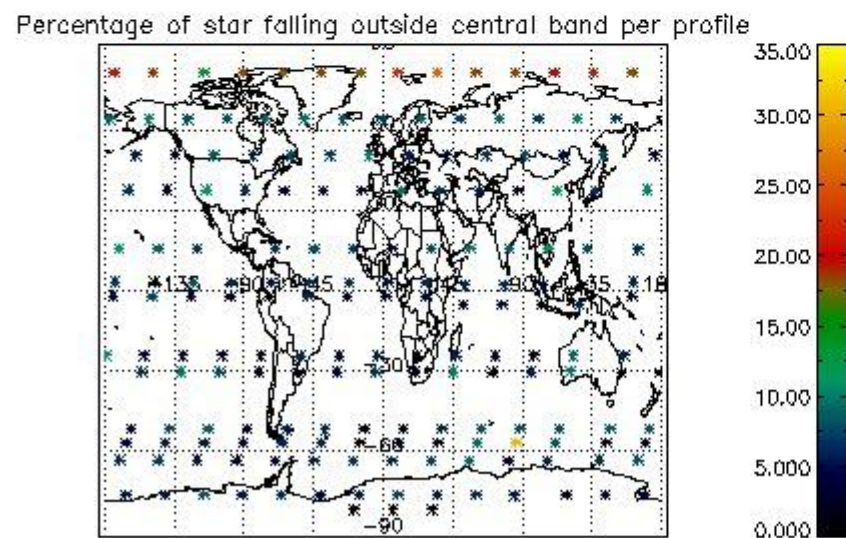
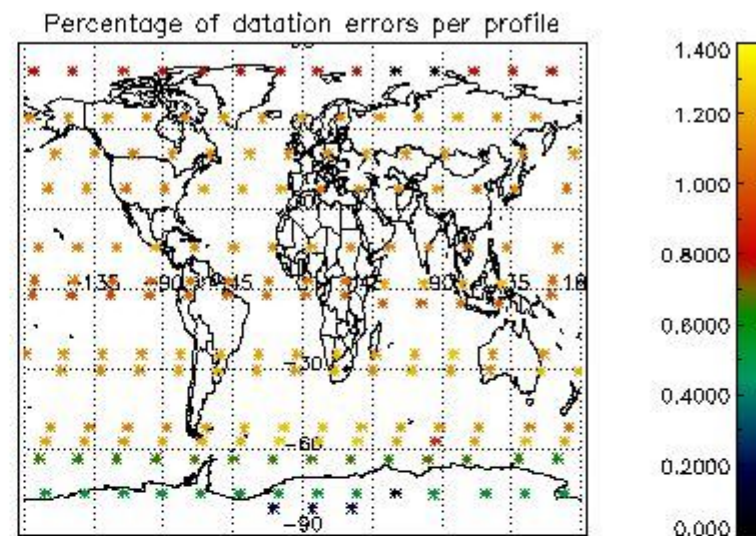
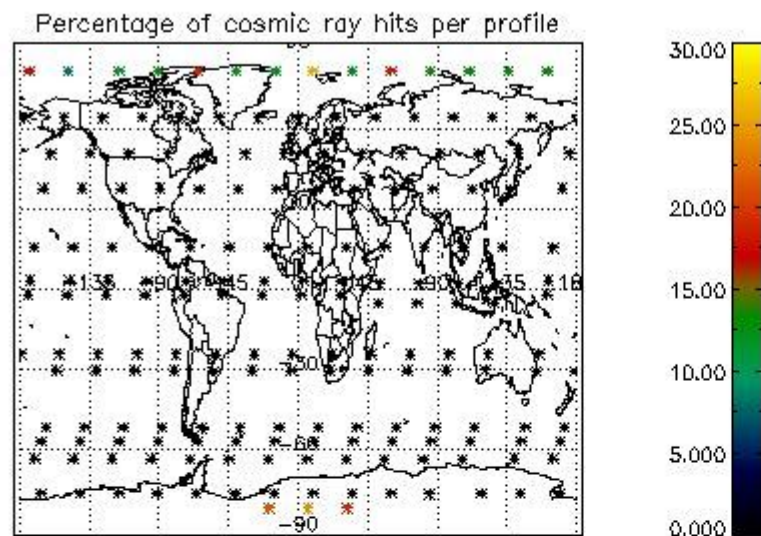


4.2 Plot quality information per product coming from level 1b processing (world map)

4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

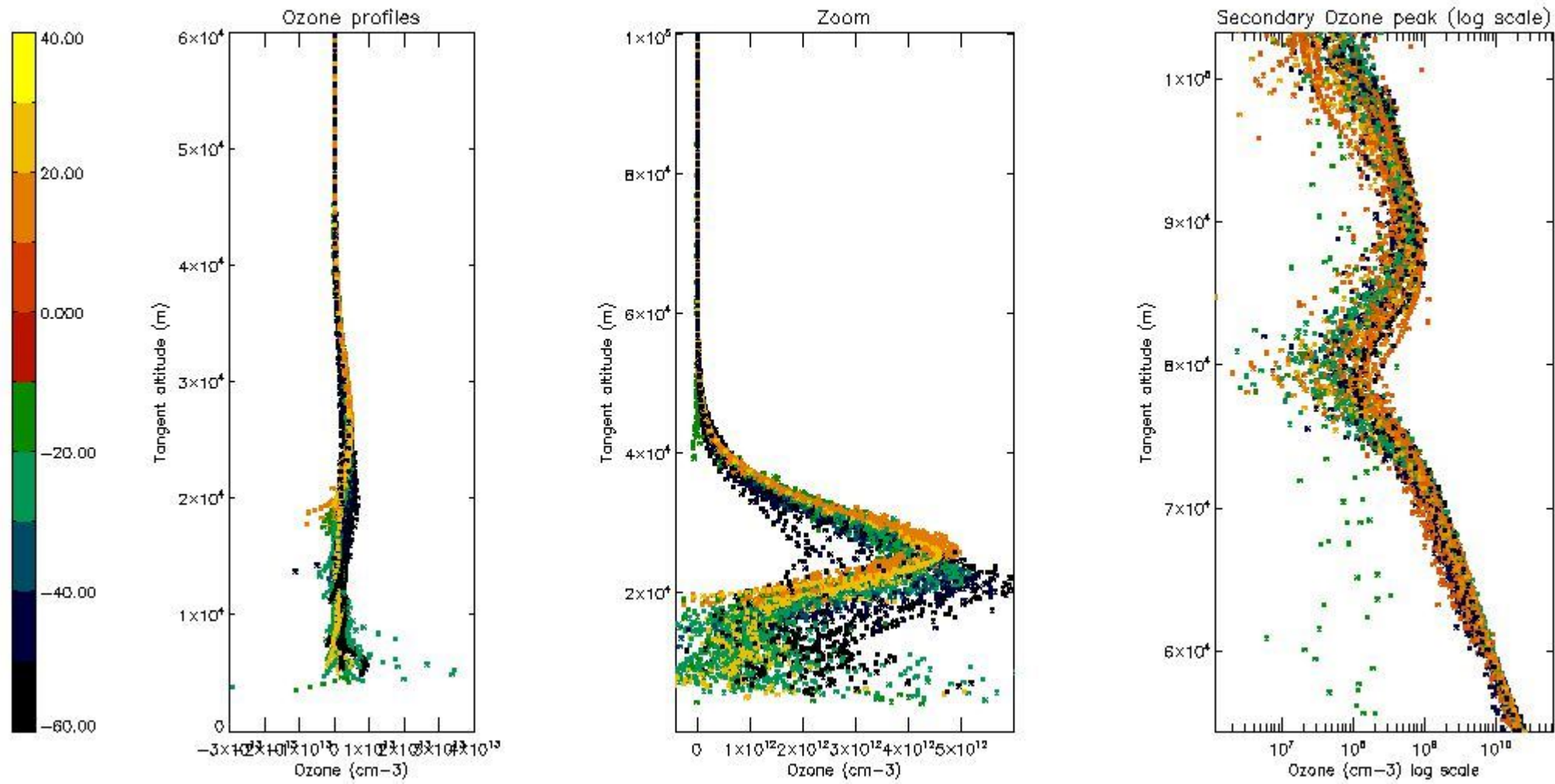
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	18
STD < 5	13

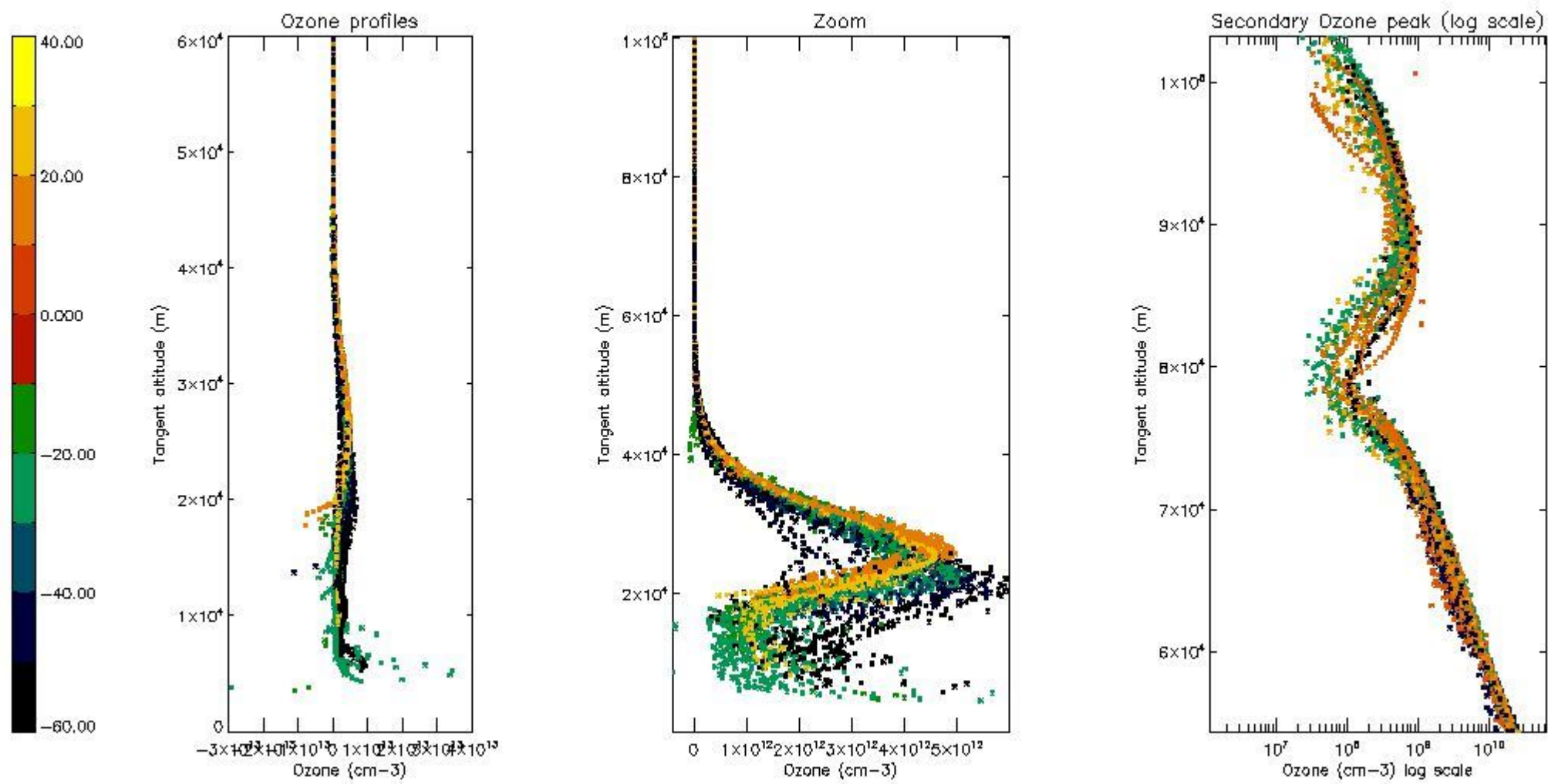
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



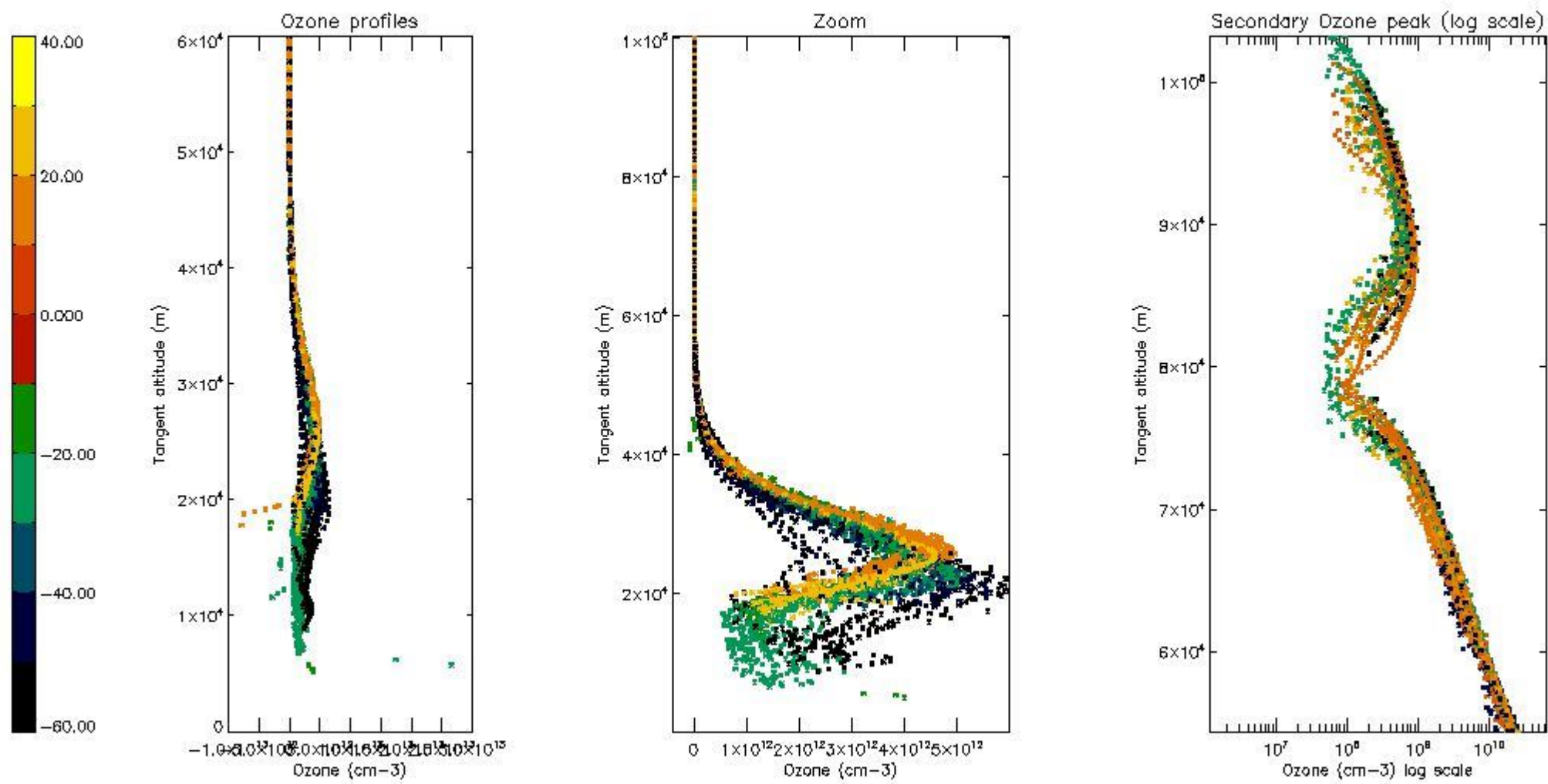
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



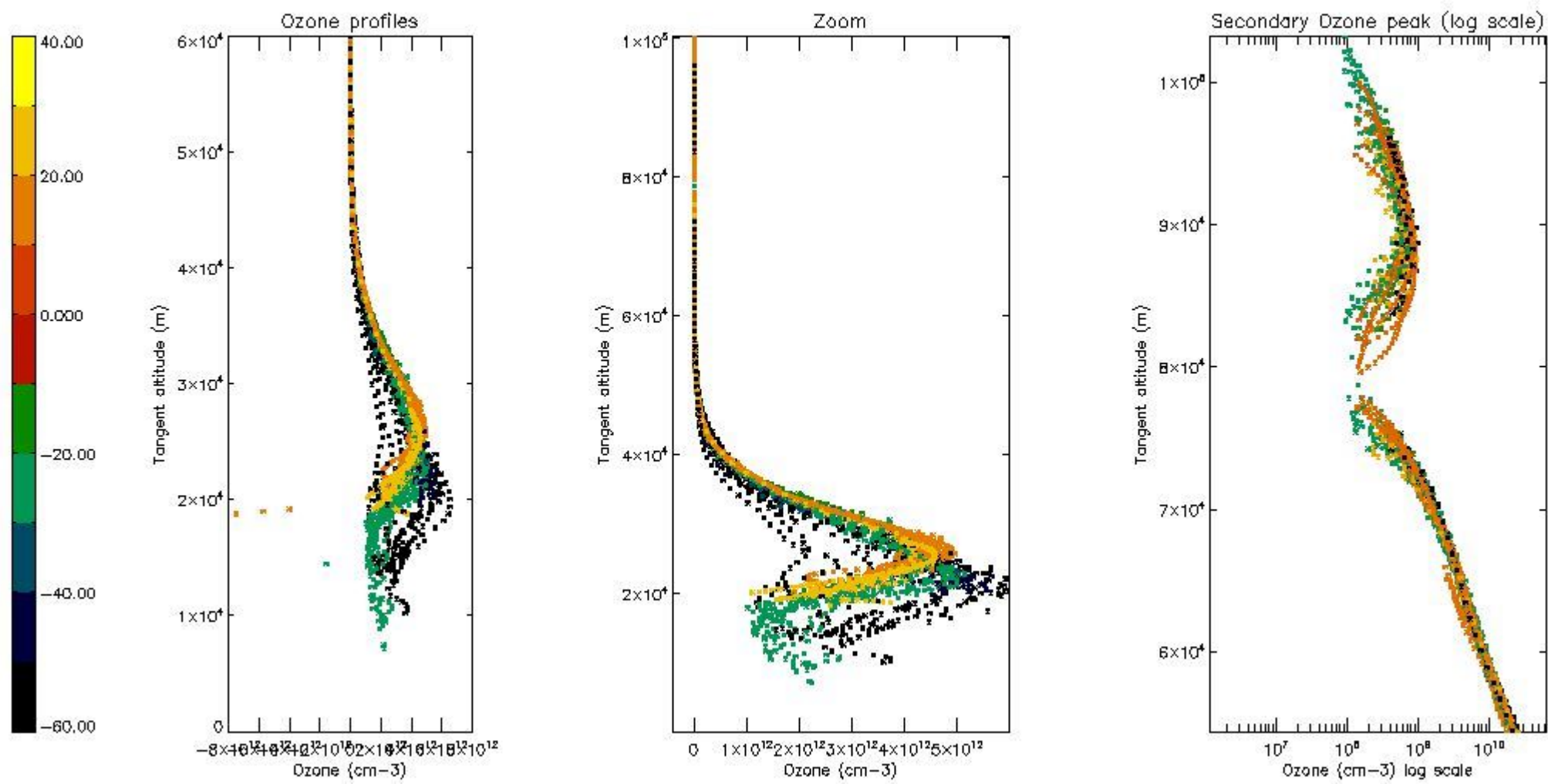
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



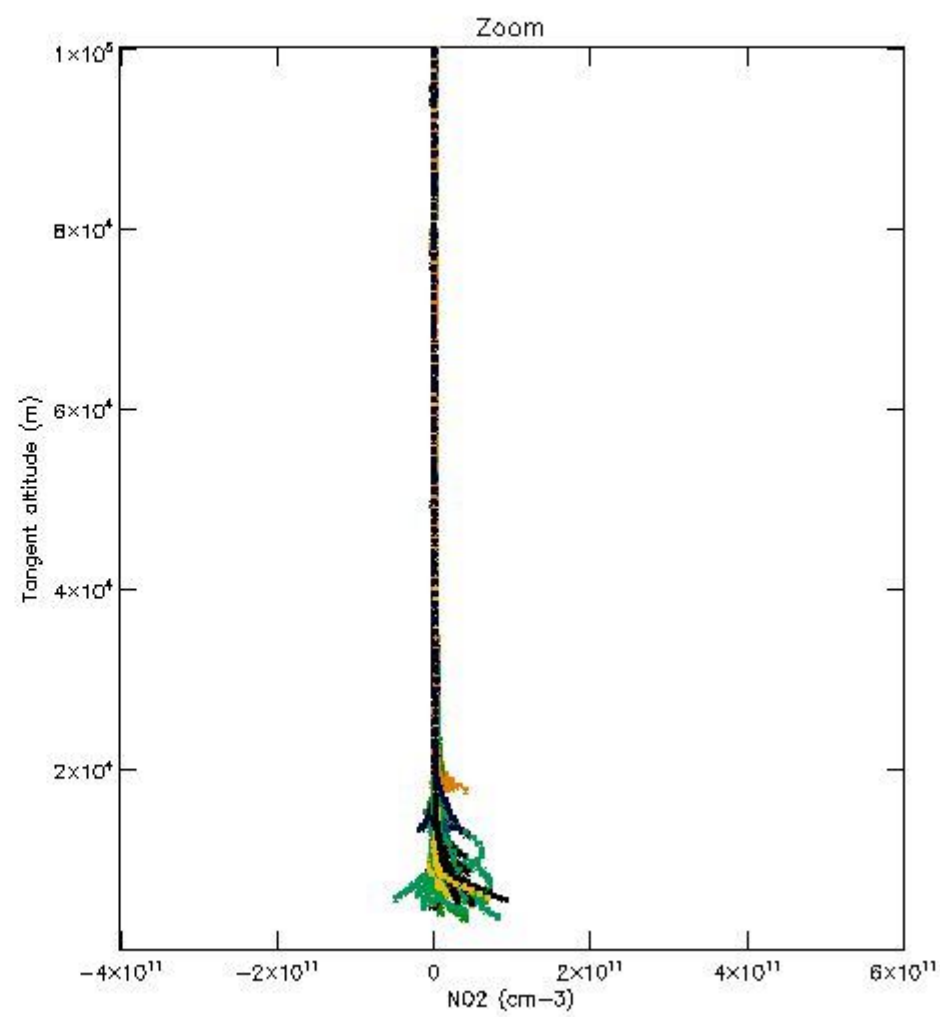
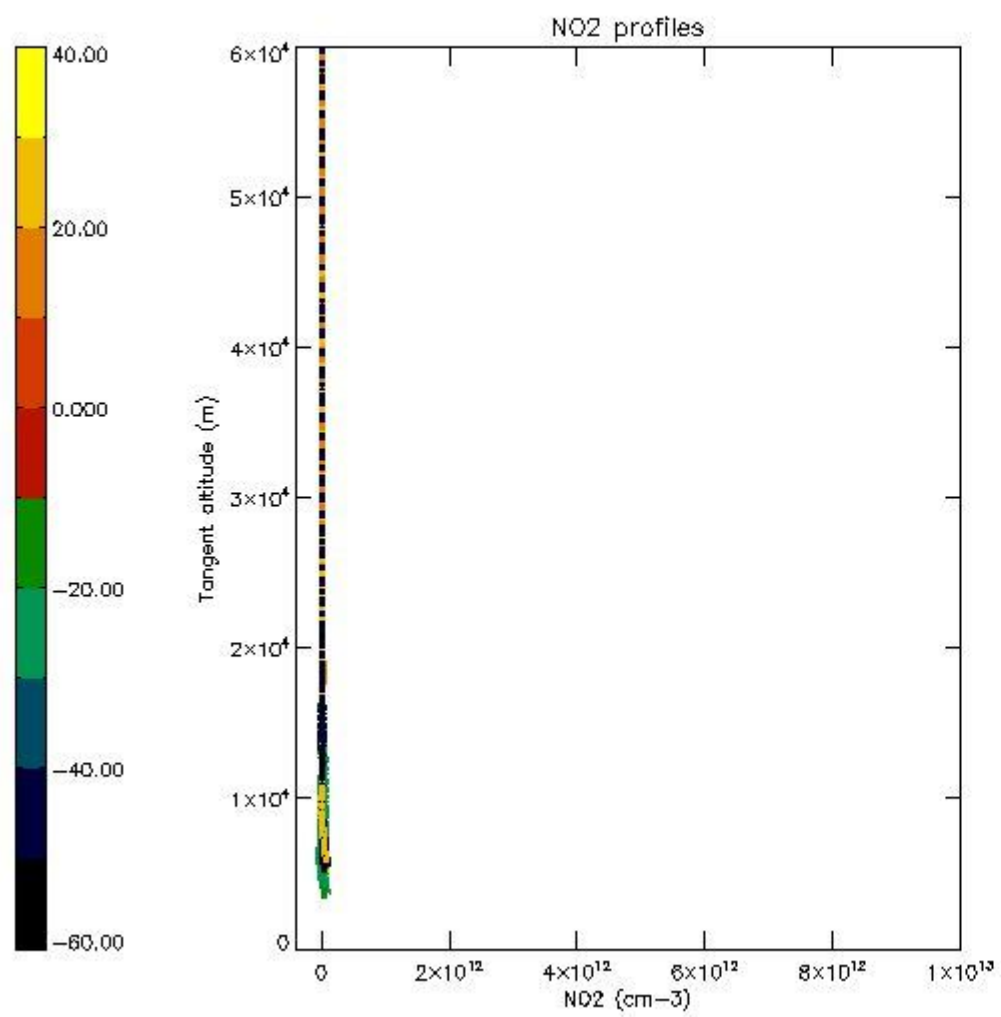
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



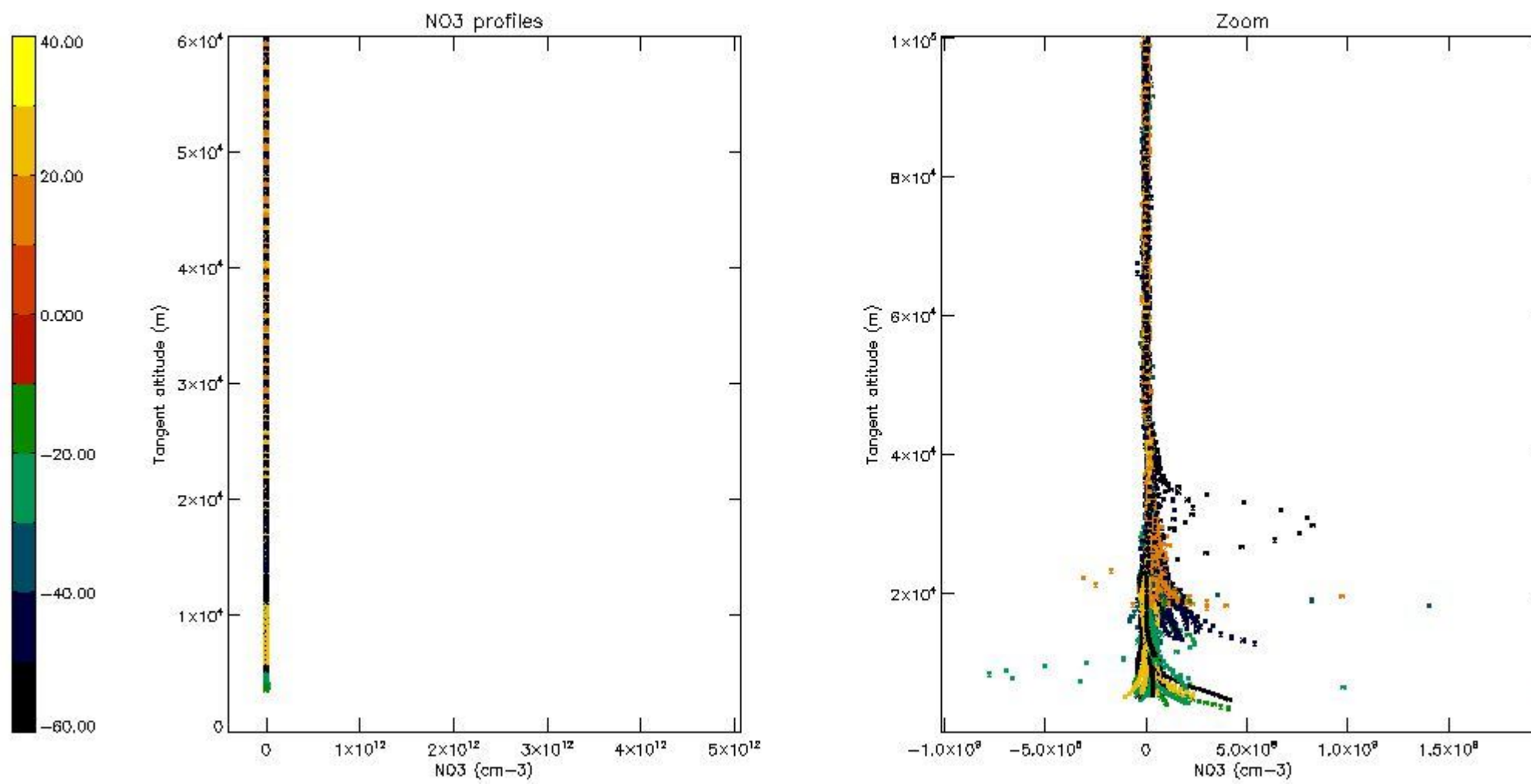
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



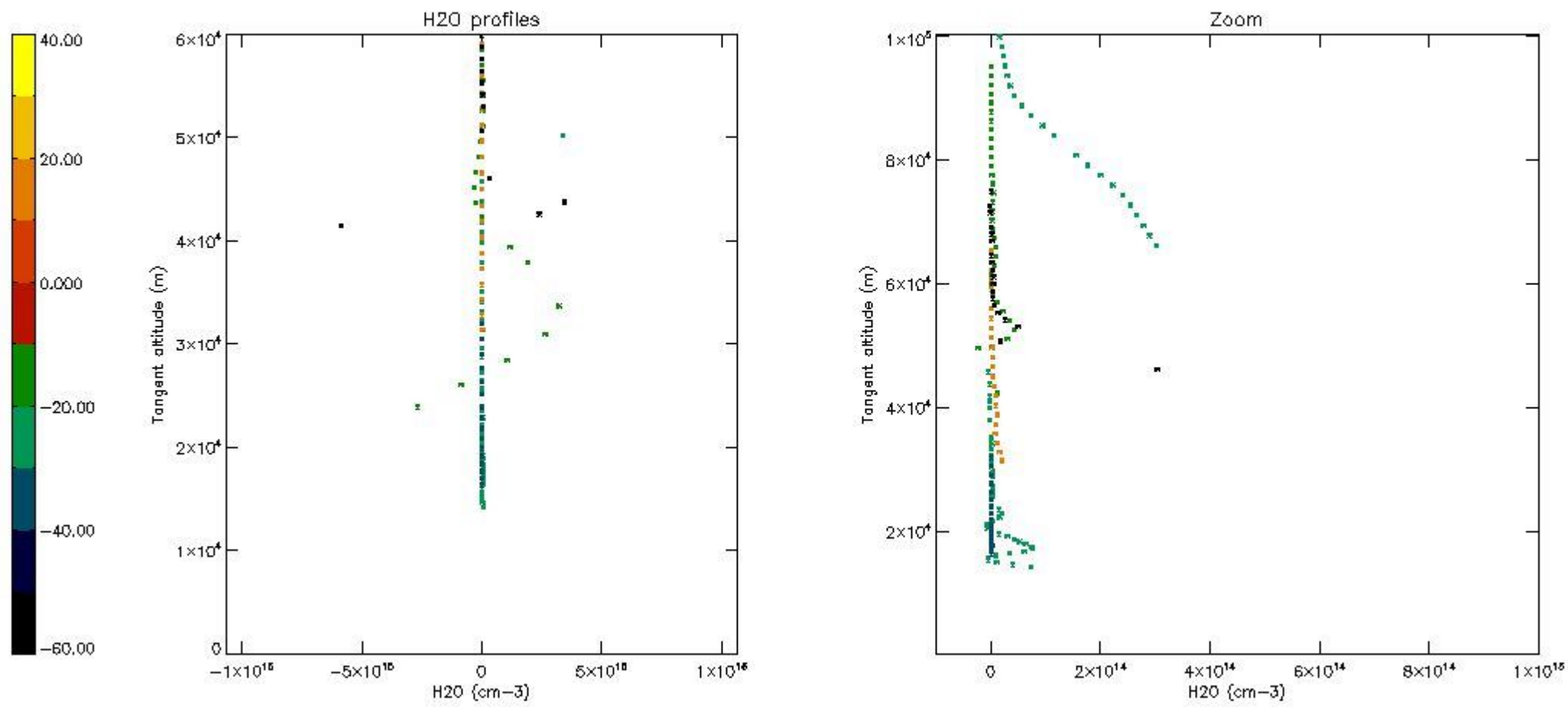
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

The colorbar represents the latitude.



6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	26-SEP-2002 00:32:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-SEP-2002 00:32:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-SEP-2002 00:32:21

GOMOS Level 2 Daily Report

SUMMARY

[1. General Info](#)

[2. Summary of processed GOM_NL_2P products](#)

[3. Level 2 Quality information per product](#)

[3.1 Plot of level 2 quality information per product \(time dependant\)](#)

[3.2 Plot of level 2 quality information per product \(world map\)](#)

[4. Level 1 Quality information per product \(stored on level 2 products\)](#)

[4.1 Plot of level 1 quality information per product \(time dependant\)](#)

[4.1.1 Plot of level 1 quality information per product \(time dependant\): ASCENDING](#)

[4.1.2 Plot of level 1 quality information per product \(time dependant\): DESCENDING](#)

[4.2 Plot of level 1 quality information per product \(world map\)](#)

[4.2.1 Plot of level 1 quality information per product \(world map\): ASCENDING](#)

[4.2.2 Plot of level 1 quality information per product \(world map\): DESCENDING](#)

[5. Ozone profiles based on quality statistics and other trace gas profiles](#)

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[5.2 Plot ozone profiles for all STD \(dark without errors\)](#)

[5.3 Plot ozone profiles where STD < 20% \(dark without errors\)](#)

[5.4. Plot ozone profiles where STD < 10% \(dark without errors\)](#)

[5.5. Plot ozone profiles where STD < 5% \(dark without errors\)](#)

[5.6 Plot NO2 profiles for all STD \(dark without errors\)](#)

[5.7 Plot NO3 profiles for all STD \(dark without errors\)](#)

[5.8 Plot H2O profiles \(only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors\) for all STD](#)

[6. Auxiliary Data Files used for the production reported in section 2](#)

This report presents the daily analysis on parameters extracted from GOMOS level 2 data (GOM_NL__2P). It is intended to monitor some important parameters that will impact the quality of these products. A list of level 2 products (and content) that have arrived during the reporting day to the PCF is also given.

Item	Value
Time of report generation	17APR2013 18:52:36
Data source version	GOMOS/6.01
Start time of products	26-09-2002 (26SEP2002 00:00:00)
Stop time of products	27-09-2002 (27SEP2002 00:00:00)
Store outputs in DB	Yes
Nb of level 2 prods	354
Nb of prods with errors	0

2. Summary of processed GOM_NL__2P products.

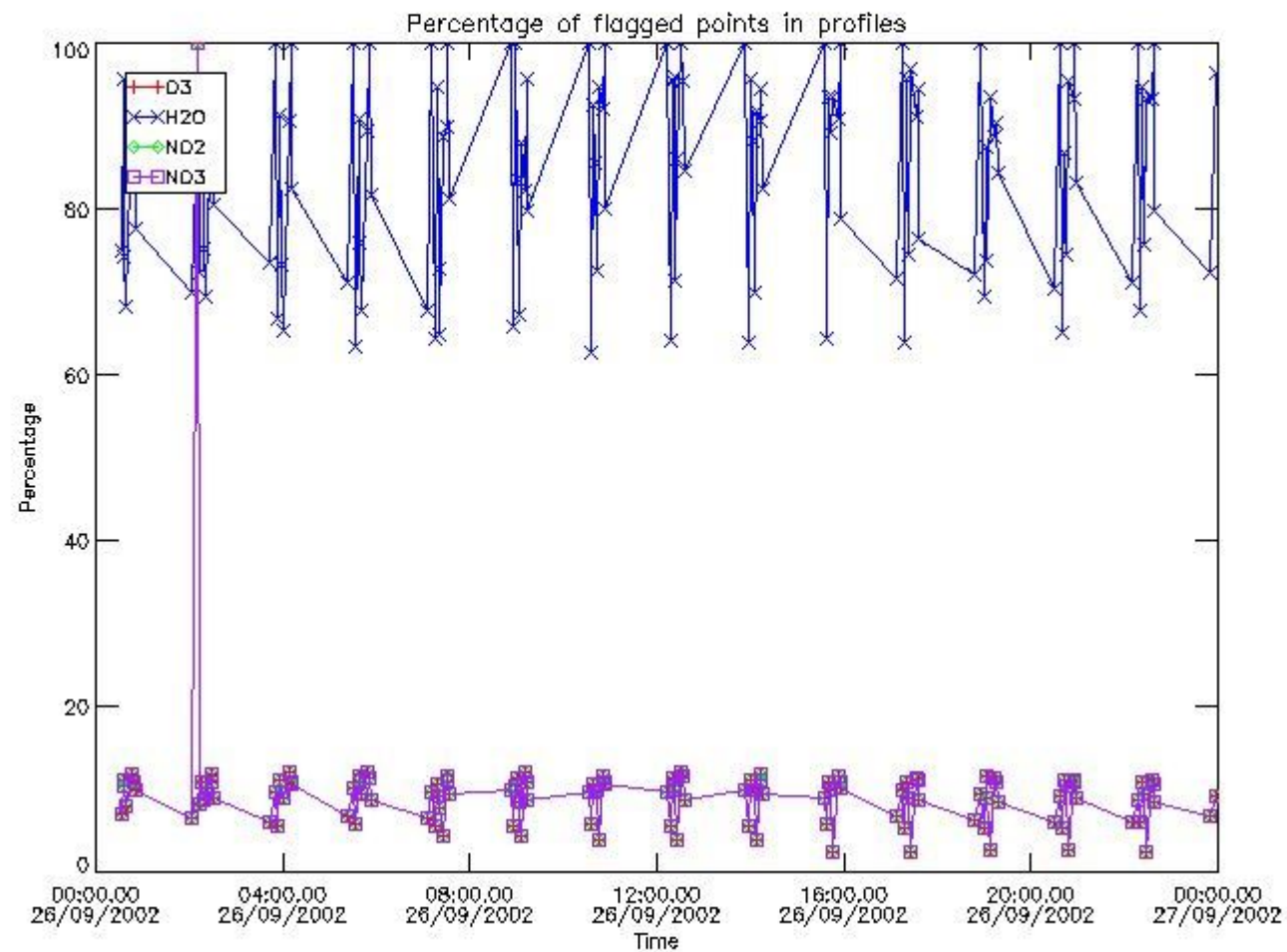
Nr	Filename	UTC Start time	Limb	Duration	Star Id	Star Name	Star Mag	Star Temp	Nb Meas	Orbit	Prod. error
1	GOM_NL__2PRFIN20020926_003221_000000812009_00431_02990_8906.N1	26-SEP-2002 00:32:21	Dark	80.500	1	9Alp CMa	-1.4400	11000.	161	2990	No
2	GOM_NL__2PRFIN20020926_003528_000000462009_00431_02990_8907.N1	26-SEP-2002 00:35:28	Dark	45.500	46	Del Vel	1.9540	10600.	91	2990	No
3	GOM_NL__2PRFIN20020926_003702_000000492009_00431_02990_8908.N1	26-SEP-2002 00:37:02	Dark	49.000	41	Eps Car	1.8600	4100.0	98	2990	No
4	GOM_NL__2PRFIN20020926_003925_000000652009_00432_02991_3200.N1	26-SEP-2002 00:39:25	Dark	65.000	2	Alp Car	-0.73600	7000.0	130	2991	No
5	GOM_NL__2PRFIN20020926_004723_000000432009_00432_02991_3201.N1	26-SEP-2002 00:47:23	Dark	43.000	135	Bet Hyi	2.8200	5800.0	86	2991	No
6	GOM_NL__2PRFIN20020926_004911_000000472009_00432_02991_3202.N1	26-SEP-2002 00:49:11	Dark	47.000	143	Alp Hyi	2.8570	7200.0	94	2991	No
7	GOM_NL__2PRFIN20020926_005038_000000522009_00432_02991_3203.N1	26-SEP-2002 00:50:38	Dark	51.500	9	Alp Eri	0.45300	24000.	103	2991	No
8	GOM_NL__2PRFIN20020926_005621_000000502009_00432_02991_3204.N1	26-SEP-2002 00:56:21	Straylight	49.500	63	Bet Gru	2.1500	2800.0	99	2991	No
9	GOM_NL__2PRFIN20020926_010057_000000522009_00432_02991_3205.N1	26-SEP-2002 01:00:57	Straylight	52.000	18	24Alp PsA	1.1660	9700.0	104	2991	No
10	GOM_NL__2PRFIN20020926_010315_000000612009_00432_02991_3206.N1	26-SEP-2002 01:03:15	Twilight	61.000	52	16Bet Cet	2.0370	4500.0	122	2991	No
11	GOM_NL__2PRFIN20020926_010936_000000442009_00432_02991_3207.N1	26-SEP-2002 01:09:36	Bright	44.000	162	34Alp Aqr	2.9440	5350.0	88	2991	No
12	GOM_NL__2PRFIN20020926_011335_000000452009_00432_02991_3208.N1	26-SEP-2002 01:13:35	Bright	44.500	90	54Alp Peg	2.4870	11000.	89	2991	No
13	GOM_NL__2PRFIN20020926_011717_000000452009_00432_02991_3209.N1	26-SEP-2002 01:17:17	Bright	45.000	93	53Bet Peg	2.5200	3100.0	90	2991	No
14	GOM_NL__2PRFIN20020926_012324_000000462009_00432_02991_3210.N1	26-SEP-2002 01:23:24	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	2991	No
15	GOM_NL__2PRFIN20020926_012715_000000402009_00432_02991_3211.N1	26-SEP-2002 01:27:15	Bright	40.000	89	5Alp Cep	2.4510	8000.0	80	2991	No
16	GOM_NL__2PRFIN20020926_012917_000000512009_00432_02991_3212.N1	26-SEP-2002 01:29:17	Bright	51.000	110	37Del Cas	2.6780	8900.0	102	2991	No
17	GOM_NL__2PRFIN20020926_013438_000000452009_00432_02991_3213.N1	26-SEP-2002 01:34:38	Bright	45.000	49	1Alp UMi	1.9900	6300.0	90	2991	No
18	GOM_NL__2PRFIN20020926_013619_000000462009_00432_02991_3214.N1	26-SEP-2002 01:36:19	Bright	45.500	60	7Bet UMi	2.0810	3950.0	91	2991	No
19	GOM_NL__2PRFIN20020926_014224_000000452009_00432_02991_3215.N1	26-SEP-2002 01:42:24	Bright	44.500	36	50Alp UMa	1.8000	6300.0	89	2991	No
20	GOM_NL__2PRFIN20020926_014354_000000432009_00432_02991_3216.N1	26-SEP-2002 01:43:54	Bright	43.000	82	48Bet UMa	2.3650	10600.	86	2991	No
21	GOM_NL__2PRFIN20020926_014553_000000762009_00432_02991_3217.N1	26-SEP-2002 01:45:53	Bright	76.000	42	34Bet Aur	1.9000	10200.	152	2991	No
22	GOM_NL__2PRFIN20020926_014957_000000922009_00432_02991_3218.N1	26-SEP-2002 01:49:57	Bright	92.000	107	37The Aur	2.6490	11000.	184	2991	No
23	GOM_NL__2PRFIN20020926_015300_000002552009_00432_02991_3219.N1	26-SEP-2002 01:53:00	Twilight	255.00	114	31ot Aur	2.6930	4600.0	510	2991	No
24	GOM_NL__2PRFIN20020926_015902_000001472009_00432_02991_3220.N1	26-SEP-2002 01:59:02	Straylight	146.50	151	13Mu Gem	2.8900	3000.0	293	2991	No
25	GOM_NL__2PRFIN20020926_020222_000000772009_00432_02991_3221.N1	26-SEP-2002 02:02:22	Dark	77.000	8	10Alp CMi	0.40000	6500.0	154	2991	No
26	GOM_NL__2PRFIN20020926_020939_000000542009_00432_02991_3222.N1	26-SEP-2002 02:09:39	Dark	54.000	132	15Rho Pup	2.8030	6900.0	108	2991	No
27	GOM_NL__2PRFIN20020926_021258_000000822009_00432_02991_3223.N1	26-SEP-2002 02:12:58	Dark	81.500	1	9Alp CMa	-1.4400	11000.	163	2991	No
28	GOM_NL__2PRFIN20020926_021604_000000472009_00432_02991_3224.N1	26-SEP-2002 02:16:04	Dark	46.500	46	Del Vel	1.9540	10600.	93	2991	No
29	GOM_NL__2PRFIN20020926_021739_000000592009_00432_02991_3225.N1	26-SEP-2002 02:17:39	Dark	59.000	41	Eps Car	1.8600	4100.0	118	2991	No
30	GOM_NL__2PRFIN20020926_022002_000000552009_00433_02992_3120.N1	26-SEP-2002 02:20:02	Dark	54.500	2	Alp Car	-0.73600	7000.0	109	2992	No
31	GOM_NL__2PRFIN20020926_022759_000000432009_00433_02992_3121.N1	26-SEP-2002 02:27:59	Dark	43.000	135	Bet Hyi	2.8200	5800.0	86	2992	No
32	GOM_NL__2PRFIN20020926_022947_000000472009_00433_02992_3122.N1	26-SEP-2002 02:29:47	Dark	46.500	143	Alp Hyi	2.8570	7200.0	93	2992	No
33	GOM_NL__2PRFIN20020926_023115_000000572009_00433_02992_3123.N1	26-SEP-2002 02:31:15	Dark	56.500	9	Alp Eri	0.45300	24000.	113	2992	No
34	GOM_NL__2PRFIN20020926_023657_000000492009_00433_02992_3124.N1	26-SEP-2002 02:36:57	Straylight	49.000	63	Bet Gru	2.1500	2800.0	98	2992	No
35	GOM_NL__2PRFIN20020926_024133_000000532009_00433_02992_3125.N1	26-SEP-2002 02:41:33	Straylight	52.500	18	24Alp PsA	1.1660	9700.0	105	2992	No
36	GOM_NL__2PRFIN20020926_024351_000000632009_00433_02992_3126.N1	26-SEP-2002 02:43:51	Twilight	62.500	52	16Bet Cet	2.0370	4500.0	125	2992	No
37	GOM_NL__2PRFIN20020926_025013_000000452009_00433_02992_3127.N1	26-SEP-2002 02:50:13	Bright	44.500	162	34Alp Aqr	2.9440	5350.0	89	2992	No
38	GOM_NL__2PRFIN20020926_025411_000000432009_00433_02992_3128.N1	26-SEP-2002 02:54:11	Bright	43.000	90	54Alp Peg	2.4870	11000.	86	2992	No
39	GOM_NL__2PRFIN20020926_025753_000000482009_00433_02992_3129.N1	26-SEP-2002 02:57:53	Bright	48.000	93	53Bet Peg	2.5200	3100.0	96	2992	No
40	GOM_NL__2PRFIN20020926_030401_000000462009_00433_02992_3130.N1	26-SEP-2002 03:04:01	Bright	46.000	19	50Alp Cyg	1.2460	10500.	92	2992	No
41	GOM_NL__2PRFIN20020926_030752_000000432009_00433_02992_3131.N1	26-SEP-2002 03:07:52	Bright	42.500	89	5Alp Cep	2.4510	8000.0	85	2992	No
42	GOM_NL__2PRFIN20020926_030953_000000472009_00433_02992_3132.N1	26-SEP-2002 03:09:53	Bright	47.000	110	37Del Cas	2.6780	8900.0	94	2992	No

338	GOM_NL__2PRFIN20020926_224410_000000512009_00445_03004_3144.N1	26-SEP-2002 22:44:10	Straylight	51.000	63	Bet Gru	2.1500	2800.0	102	3004	No
339	GOM_NL__2PRFIN20020926_225103_000000582009_00445_03004_3145.N1	26-SEP-2002 22:51:03	Twl_and_stray	58.000	52	16Bet Cet	2.0370	4500.0	116	3004	No
340	GOM_NL__2PRFIN20020926_225727_000000452009_00445_03004_3146.N1	26-SEP-2002 22:57:27	Bright	45.000	162	34Alp Aqr	2.9440	5350.0	90	3004	No
341	GOM_NL__2PRFIN20020926_230122_000000442009_00445_03004_3147.N1	26-SEP-2002 23:01:22	Bright	44.000	90	54Alp Peg	2.4870	11000.	88	3004	No
342	GOM_NL__2PRFIN20020926_230503_000000482009_00445_03004_3148.N1	26-SEP-2002 23:05:03	Bright	48.000	93	53Bet Peg	2.5200	3100.0	96	3004	No
343	GOM_NL__2PRFIN20020926_231116_000000462009_00445_03004_3149.N1	26-SEP-2002 23:11:16	Bright	45.500	19	50Alp Cyg	1.2460	10500.	91	3004	No
344	GOM_NL__2PRFIN20020926_231443_000000492009_00445_03004_3150.N1	26-SEP-2002 23:14:43	Bright	48.500	74	11Bet Cas	2.2680	6600.0	97	3004	No
345	GOM_NL__2PRFIN20020926_231611_000000492009_00445_03004_3151.N1	26-SEP-2002 23:16:11	Bright	49.000	76	27Gam Cas	2.3000	30000.	98	3004	No
346	GOM_NL__2PRFIN20020926_232225_000000442009_00445_03004_3152.N1	26-SEP-2002 23:22:25	Bright	44.000	49	1Alp UMi	1.9900	6300.0	88	3004	No
347	GOM_NL__2PRFIN20020926_232411_000000412009_00445_03004_3153.N1	26-SEP-2002 23:24:11	Bright	40.500	60	7Bet UMi	2.0810	3950.0	81	3004	No
348	GOM_NL__2PRFIN20020926_233012_000000472009_00445_03004_3154.N1	26-SEP-2002 23:30:12	Bright	46.500	36	50Alp UMa	1.8000	6300.0	93	3004	No
349	GOM_NL__2PRFIN20020926_233143_000000412009_00445_03004_3155.N1	26-SEP-2002 23:31:43	Bright	41.000	82	48Bet UMa	2.3650	10600.	82	3004	No
350	GOM_NL__2PRFIN20020926_233334_000000772009_00445_03004_3156.N1	26-SEP-2002 23:33:34	Bright	77.000	42	34Bet Aur	1.9000	10200.	154	3004	No
351	GOM_NL__2PRFIN20020926_233741_000000932009_00445_03004_3157.N1	26-SEP-2002 23:37:41	Bright	92.500	107	37The Aur	2.6490	11000.	185	3004	No
352	GOM_NL__2PRFIN20020926_234050_000002552009_00445_03004_3158.N1	26-SEP-2002 23:40:50	Straylight	255.00	114	3lot Aur	2.6930	4600.0	510	3004	No
353	GOM_NL__2PRFIN20020926_235021_000000752009_00445_03004_3159.N1	26-SEP-2002 23:50:21	Dark	74.500	8	10Alp CMi	0.40000	6500.0	149	3004	No
354	GOM_NL__2PRFIN20020926_235735_000000562009_00445_03004_3160.N1	26-SEP-2002 23:57:35	Dark	56.000	132	15Rho Pup	2.8030	6900.0	112	3004	No

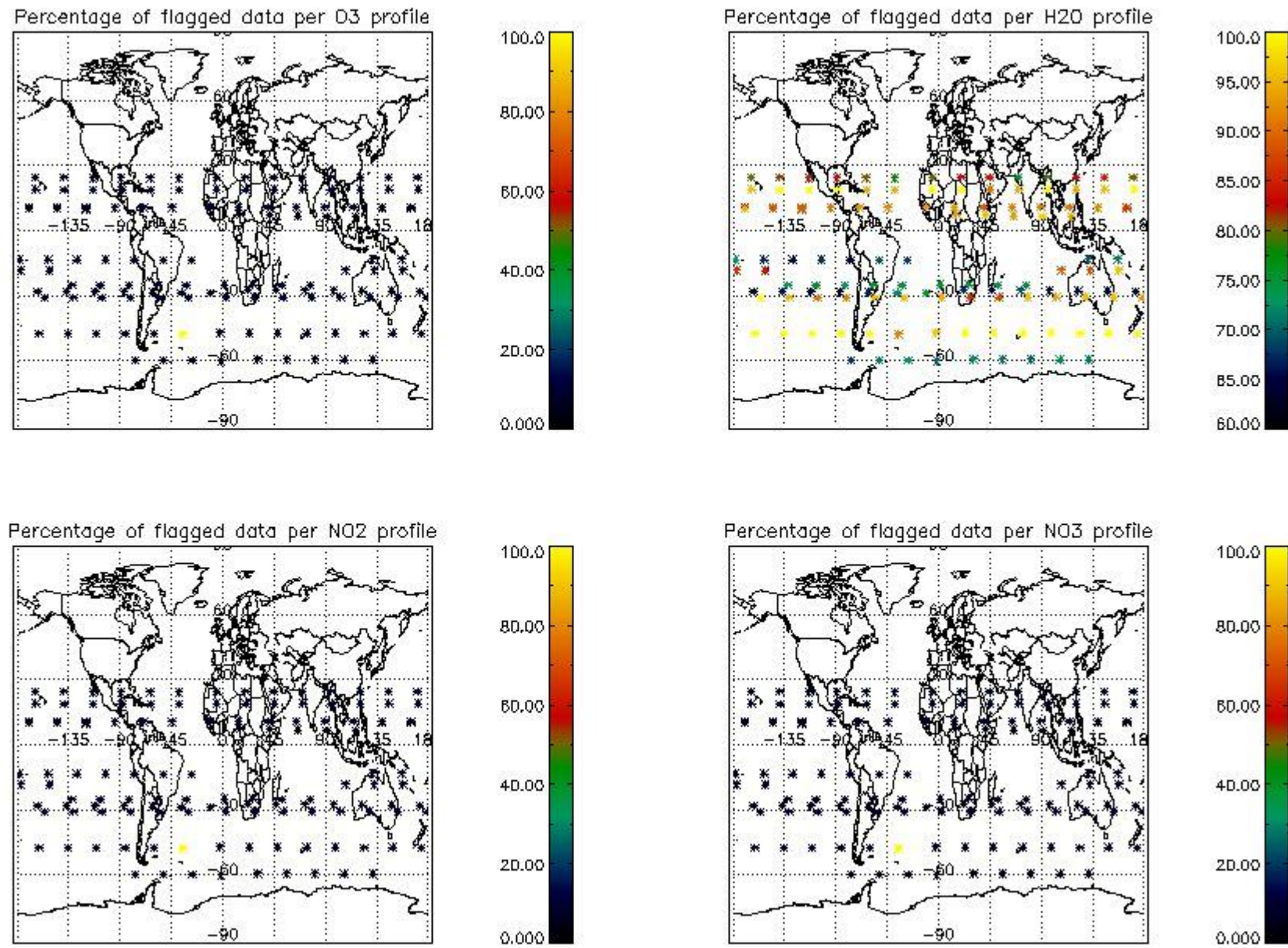
3. Quality information per product

In this section it is plotted some information contained in the Quality Summary data set of the level 2 products. Only products in dark limb conditions and without errors (error flag in the MPH set to "0") are used.

3.1 Plot quality information per product (time dependant)



3.2 Plot quality information per product (world map)

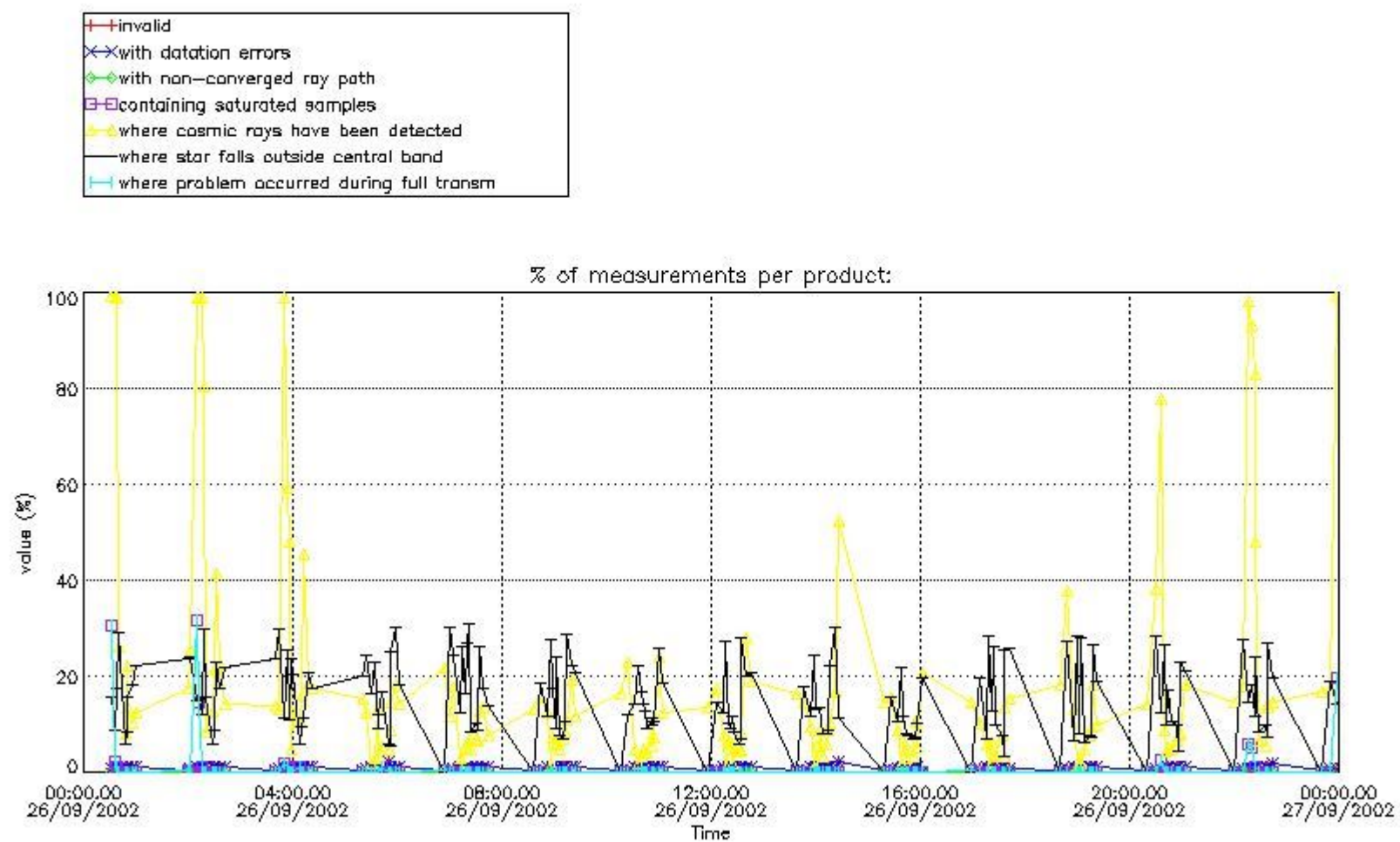


4. Level 1 quality information per product

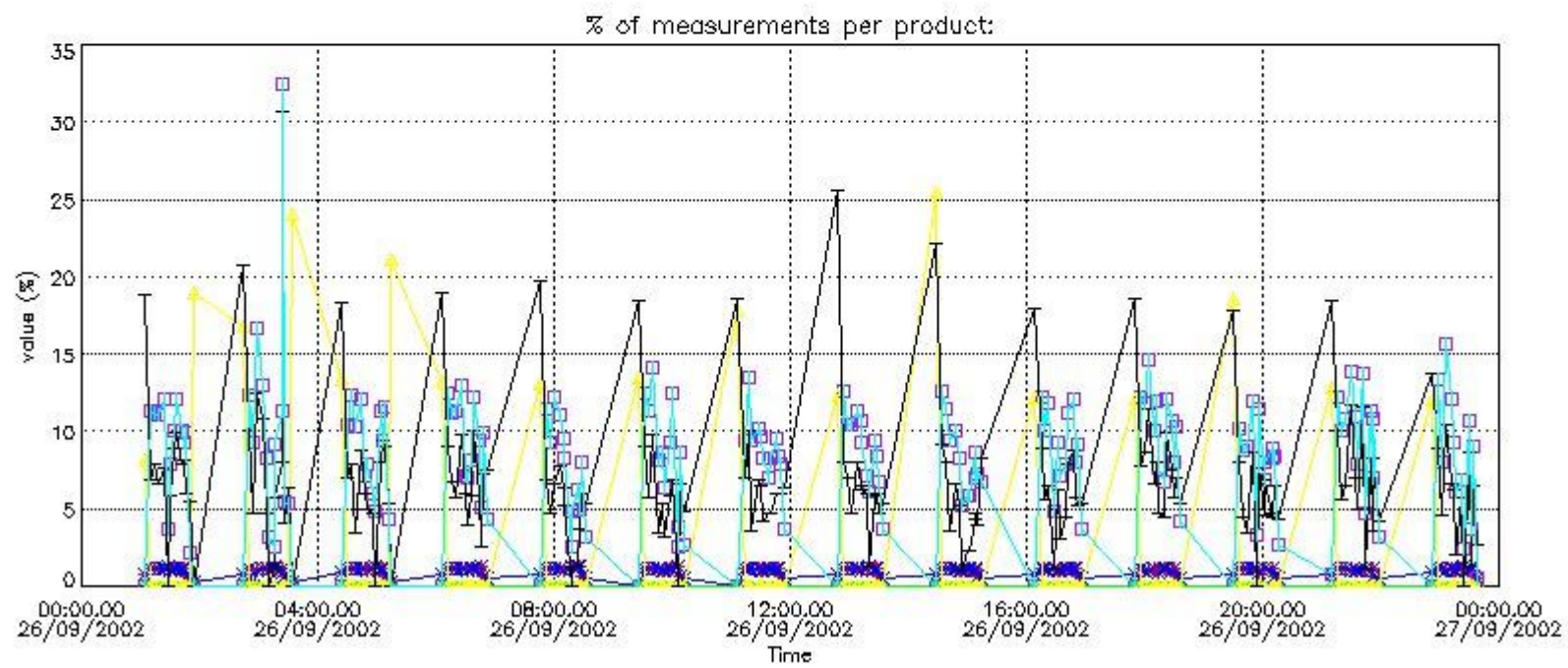
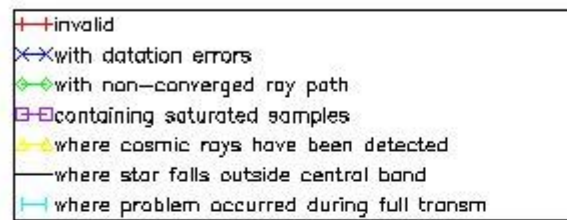
In this section it is plotted some information contained in the Quality Summary data set of the level 2 products that comes from the level 1b processing. Products without errors (error flag in the MPH set to "0") are used.

4.1 Plot quality information per product (time dependant) coming from level 1b processing

4.1.1 Plot level 1 quality information per product (time dependant): ENVISAT ASCENDING passes

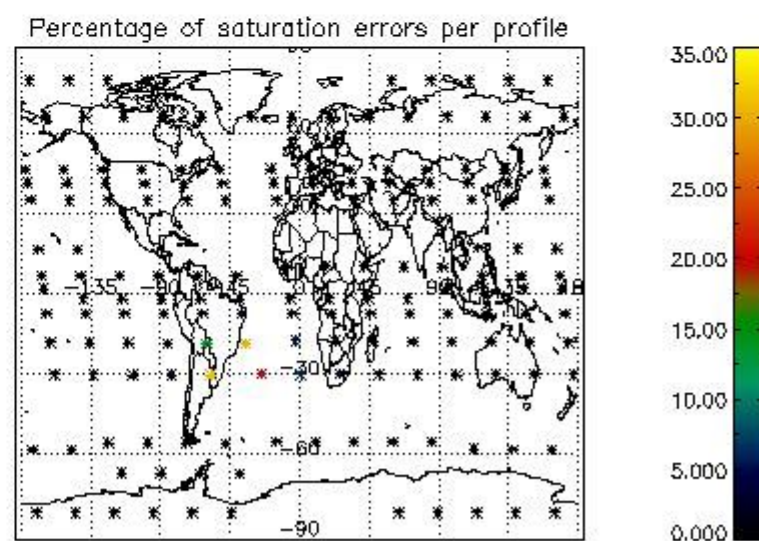
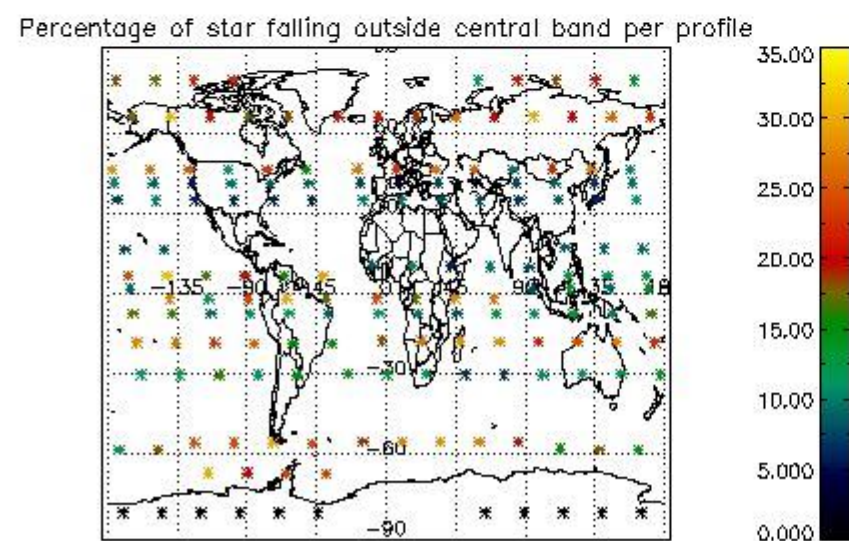
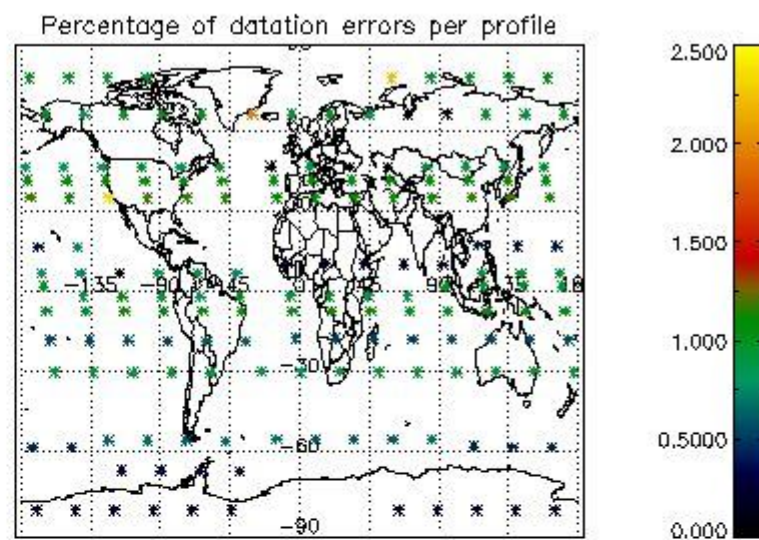
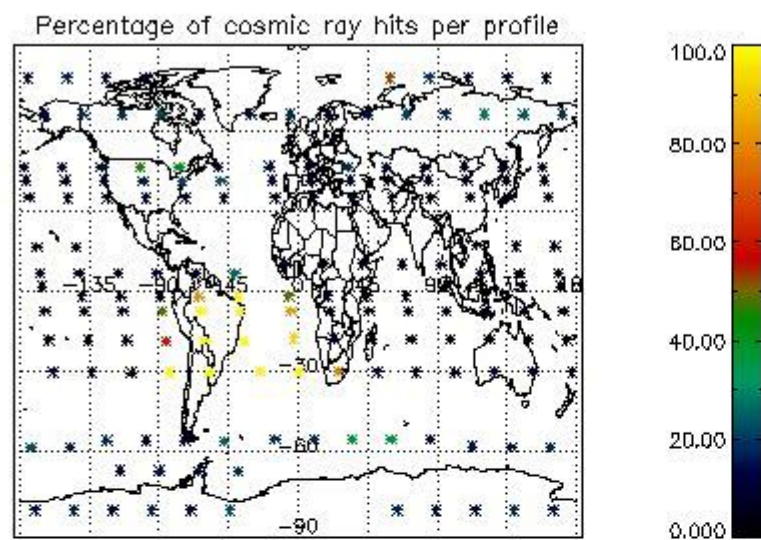


4.1.2 Plot level 1 quality information per product (time dependant): ENVI SAT DESCENDING passes

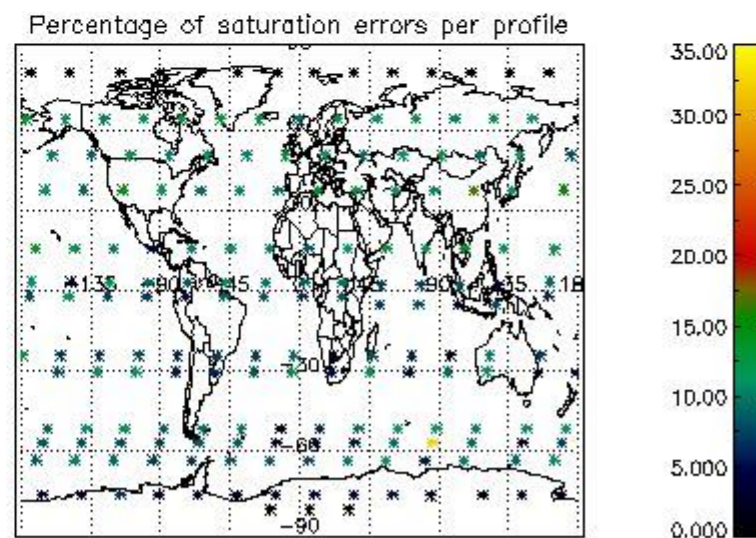
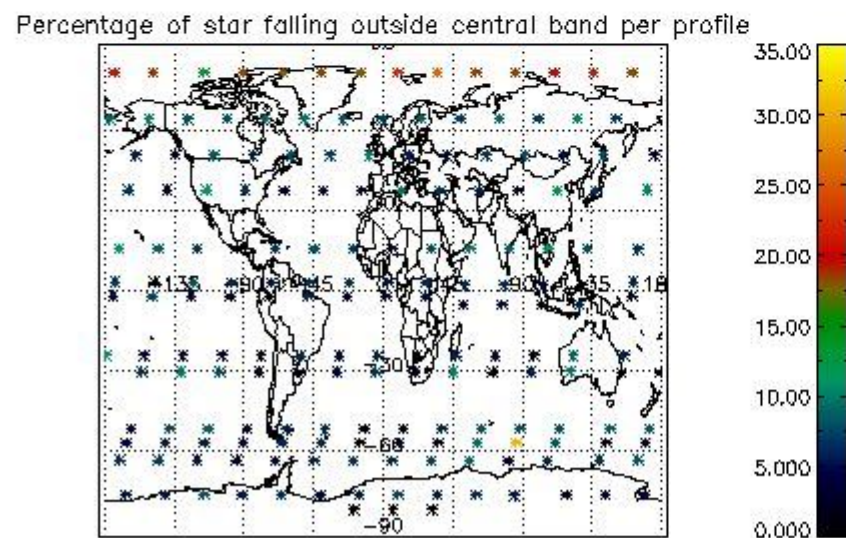
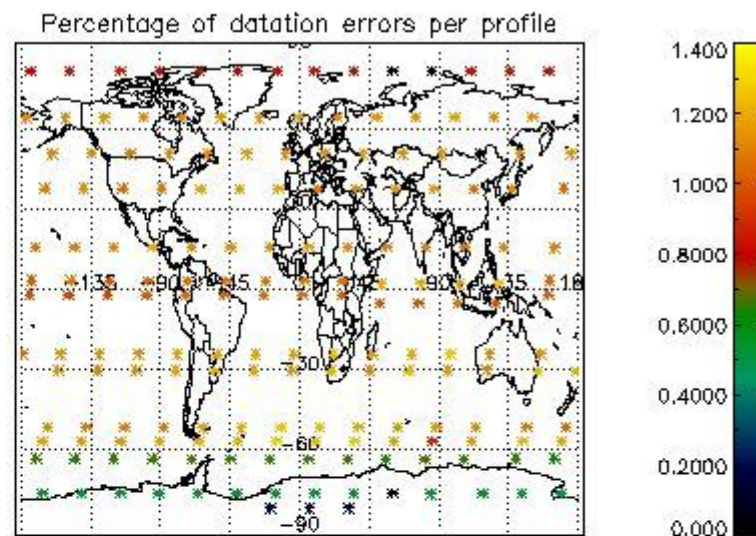
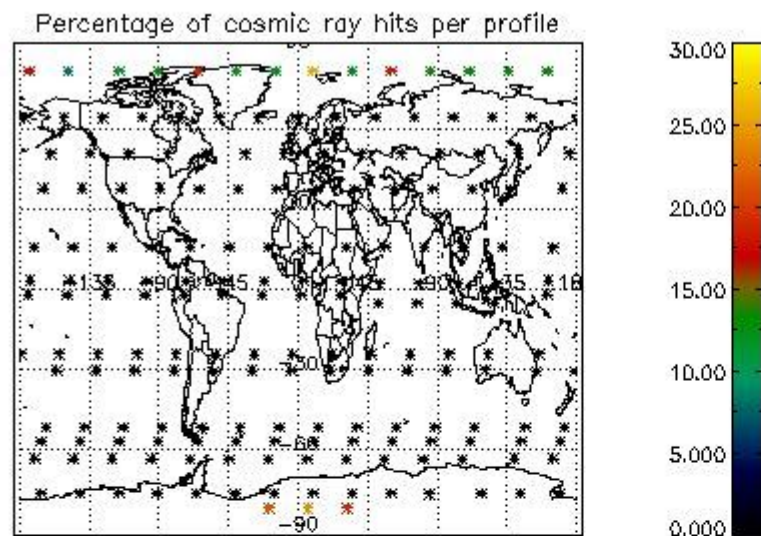


4.2 Plot quality information per product coming from level 1b processing (world map)

4.2.1 Plot level 1 quality information per product (world map): ENVISAT ASCENDING passes



4.2.2 Plot level 1 quality information per product (world map): ENVISAT DESCENDING passes



5. Trace gas profiles

5.1 Ozone statistics based on quality of products

The final quality of the products can be "measured" using the STD (Standard Deviation) attached to every point profile. This information is written to the parameter GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/o3_std of the level 2 products. The table below shows the statistics for given STD ranges.

The statistics are given with respect to the overall valid production:

- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

The 'Criteria' is applied to valid points of dark limb products:

- Products in dark limb illumination condition: GOM_NL__2P/NL_SUMMARY_QUALITY/obs_ill_cond=0
- Products without fatal errors: GOM_NL__2P/MPH/PRODUCT_ERR=0
- Valid point profile: GOM_NL__2P/NL_LOCAL_SPECIES_DENSITY/pcd(0)=0

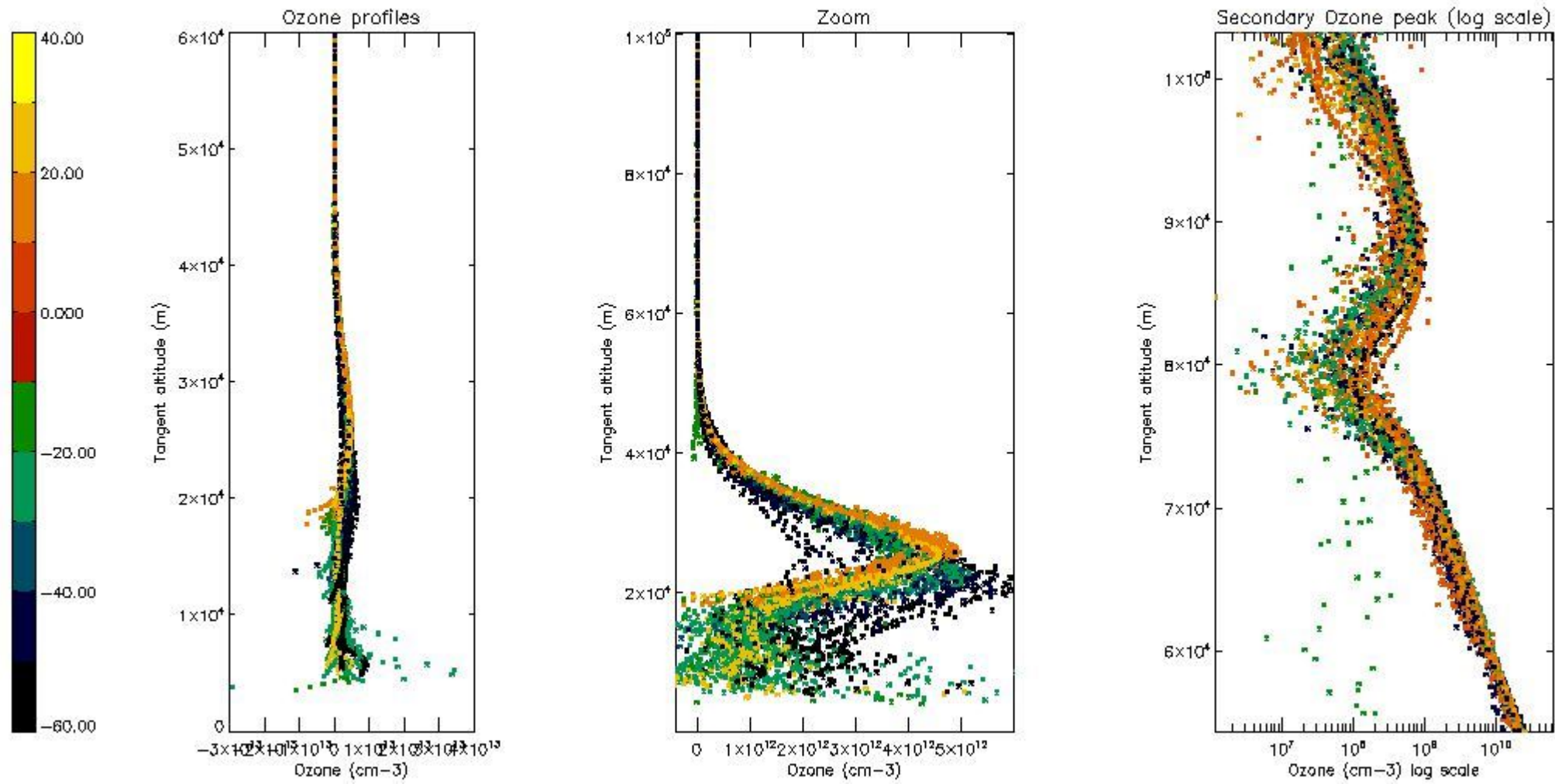
So, the table below shows the percentage of dark limb and valid observations for each criteria with respect to the overall valid daily observations.

Criteria	% of total production
All STD	36
STD < 20	21

STD < 10	18
STD < 5	13

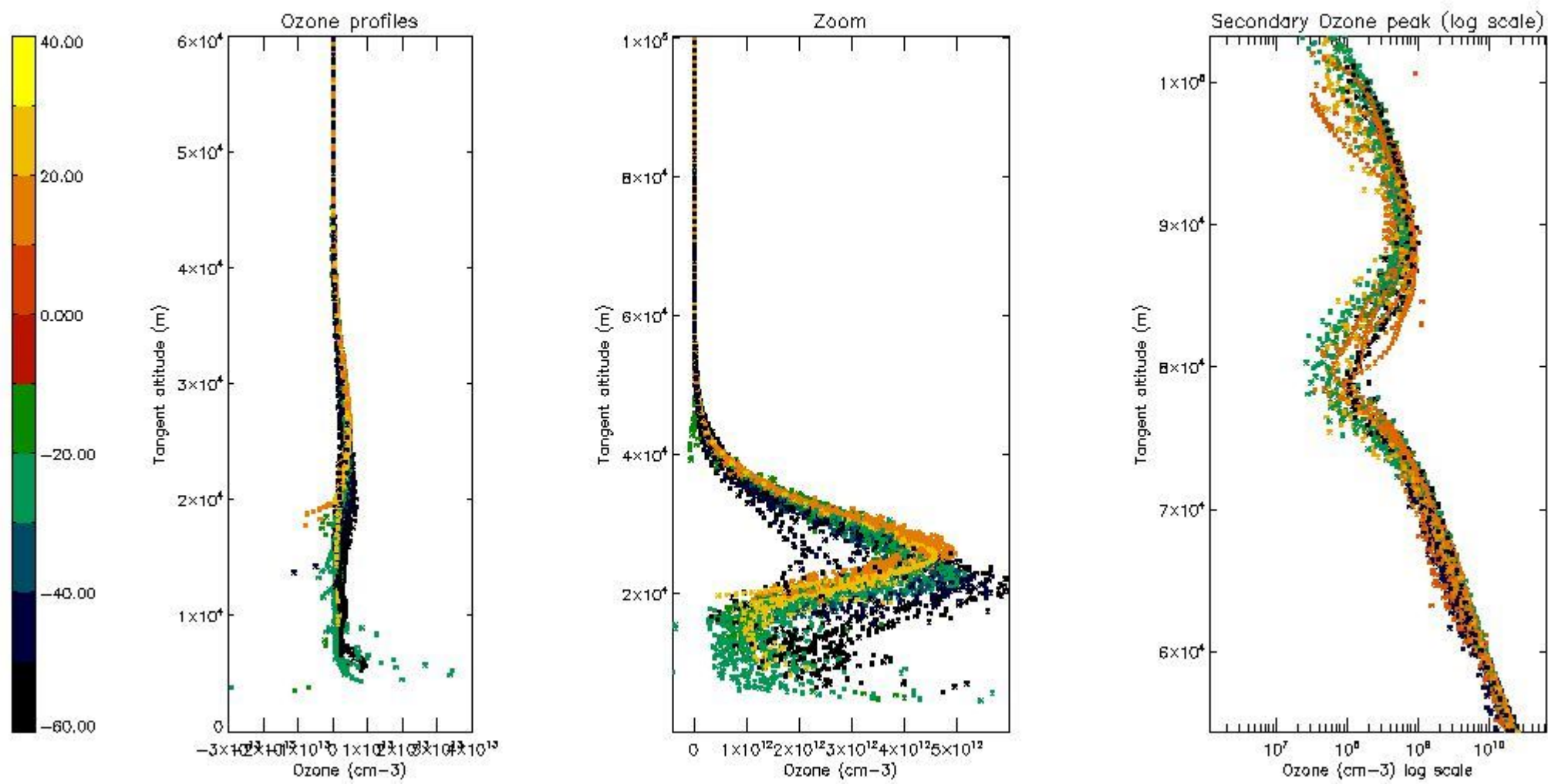
5.2 Plot ozone profiles for all STD (dark without errors)

The colorbar represents the latitude.



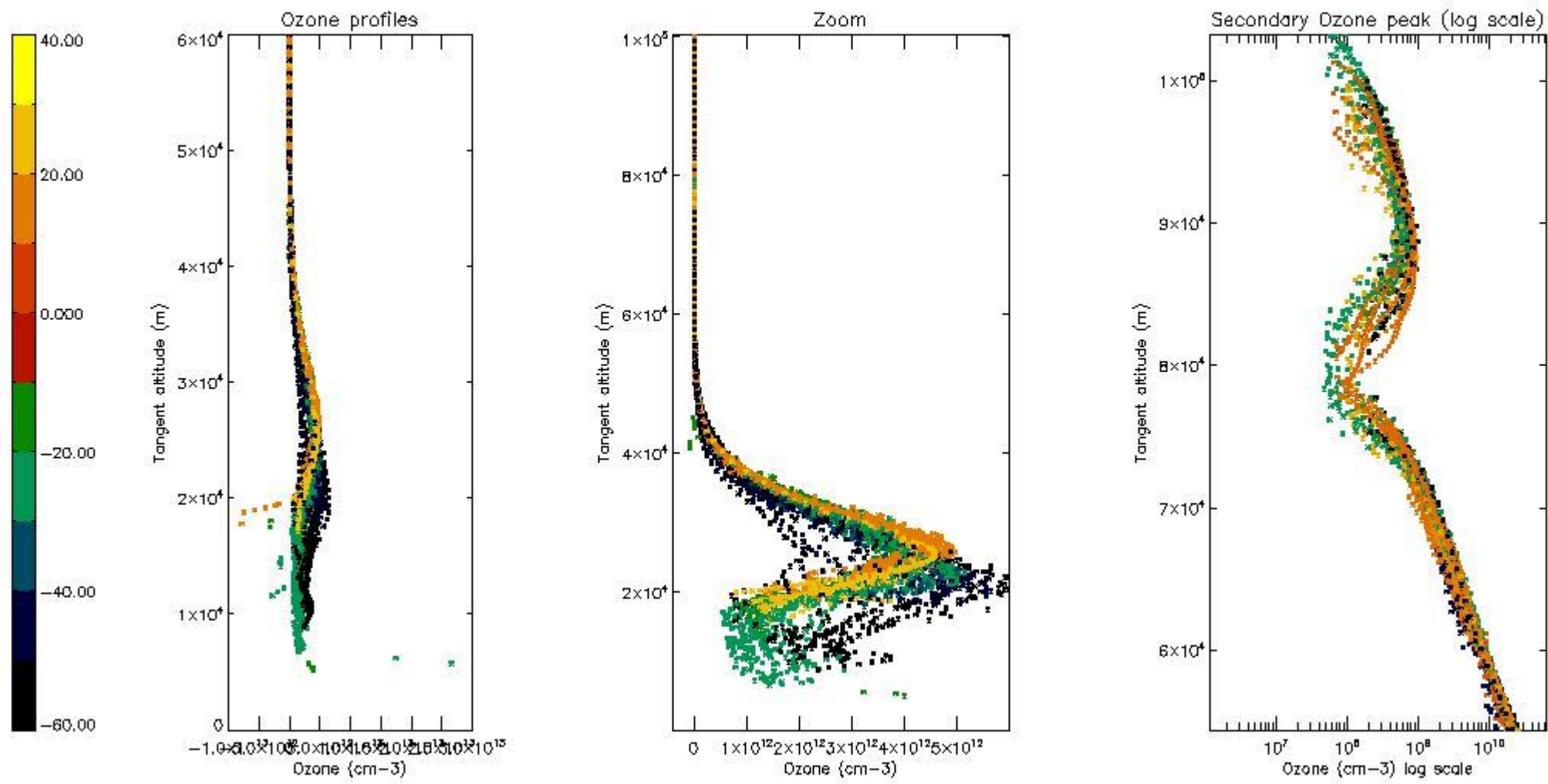
5.3 Plot ozone profiles where STD < 20% (dark without errors)

The colorbar represents the latitude.



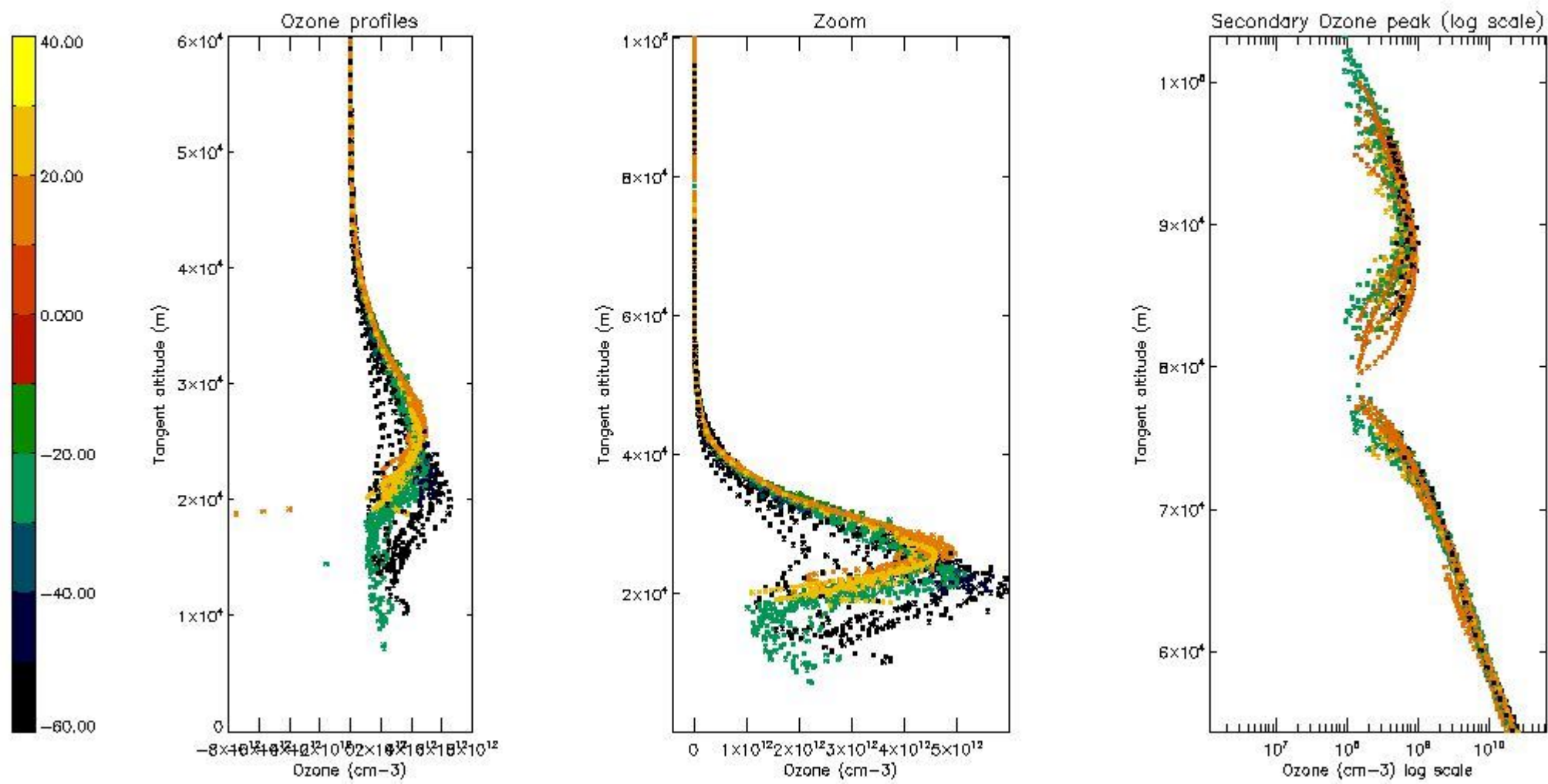
5.4 Plot ozone profiles where STD < 10% (dark without errors)

The colorbar represents the latitude.



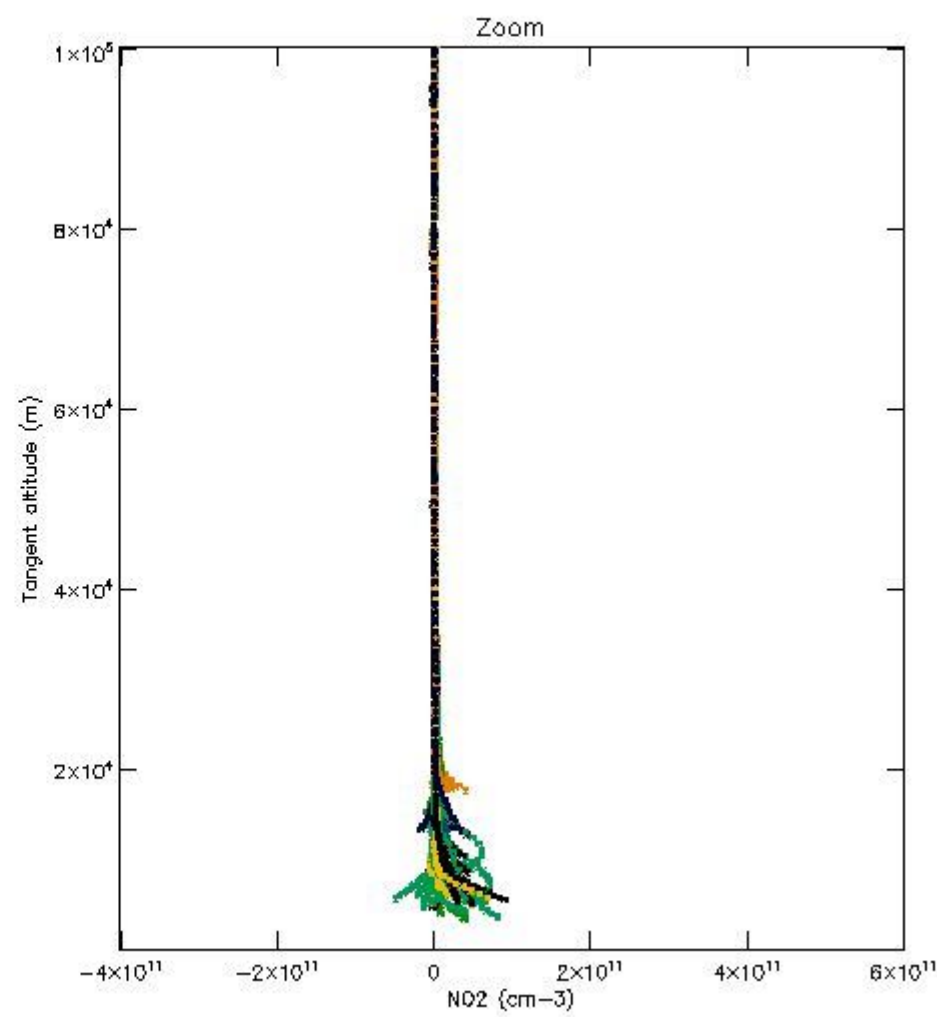
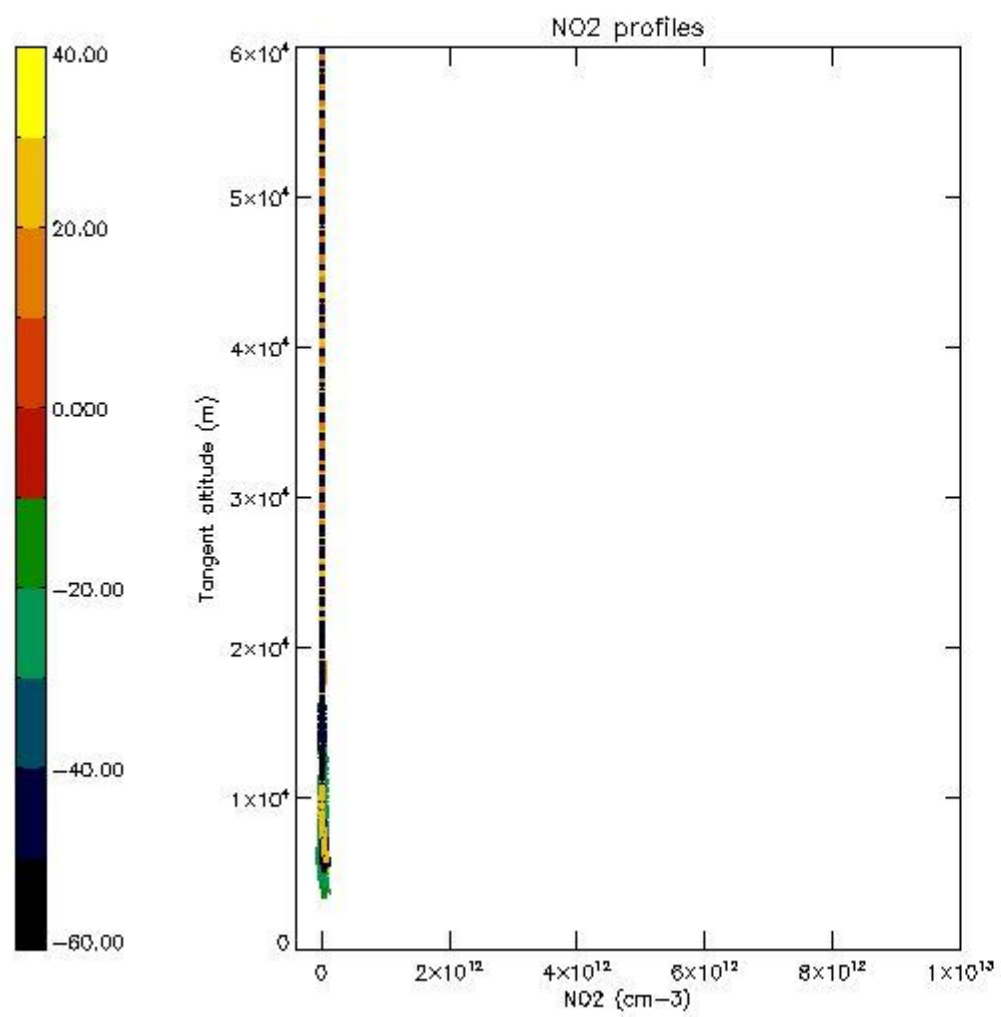
5.5 Plot ozone profiles where STD < 5% (dark without errors)

The colorbar represents the latitude.



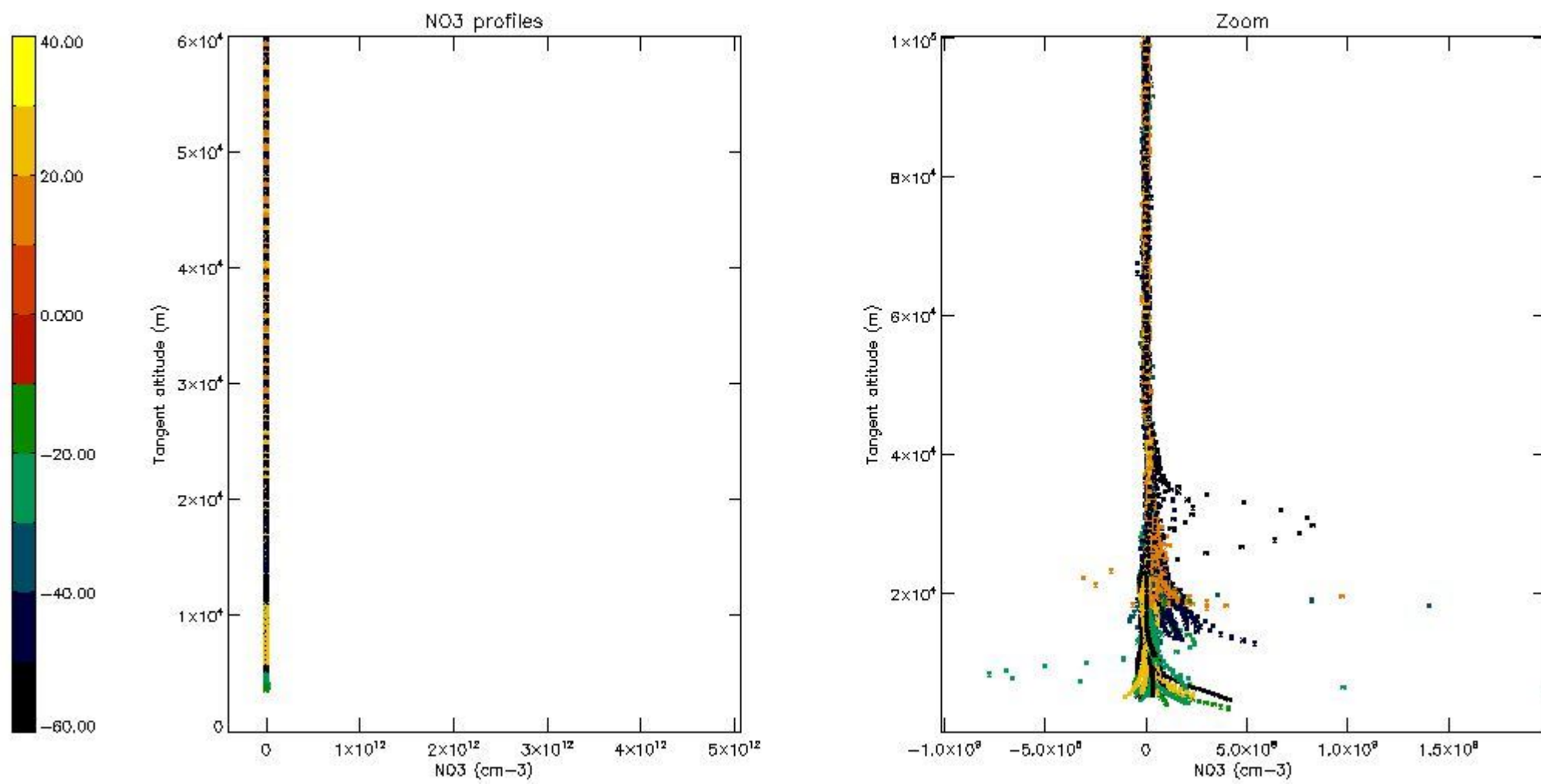
5.6 Plot NO₂ profiles for all STD (dark without errors)

The colorbar represents the latitude.



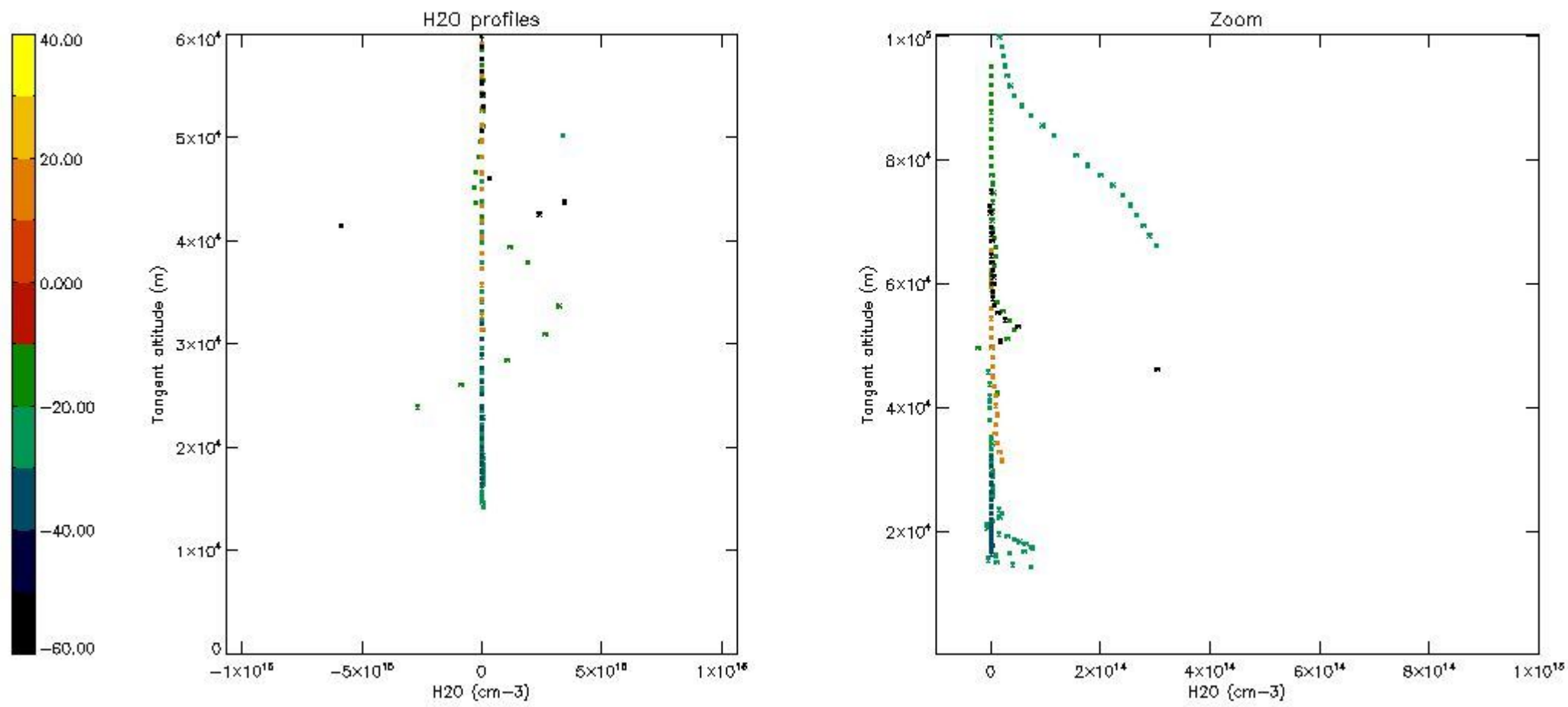
5.7 Plot NO3 profiles for all STD (dark without errors)

The colorbar represents the latitude.



5.8 Plot H2O profiles for all STD (only for occultations of stars 1,2,3,4,13,14,16,26,63 dark without errors)

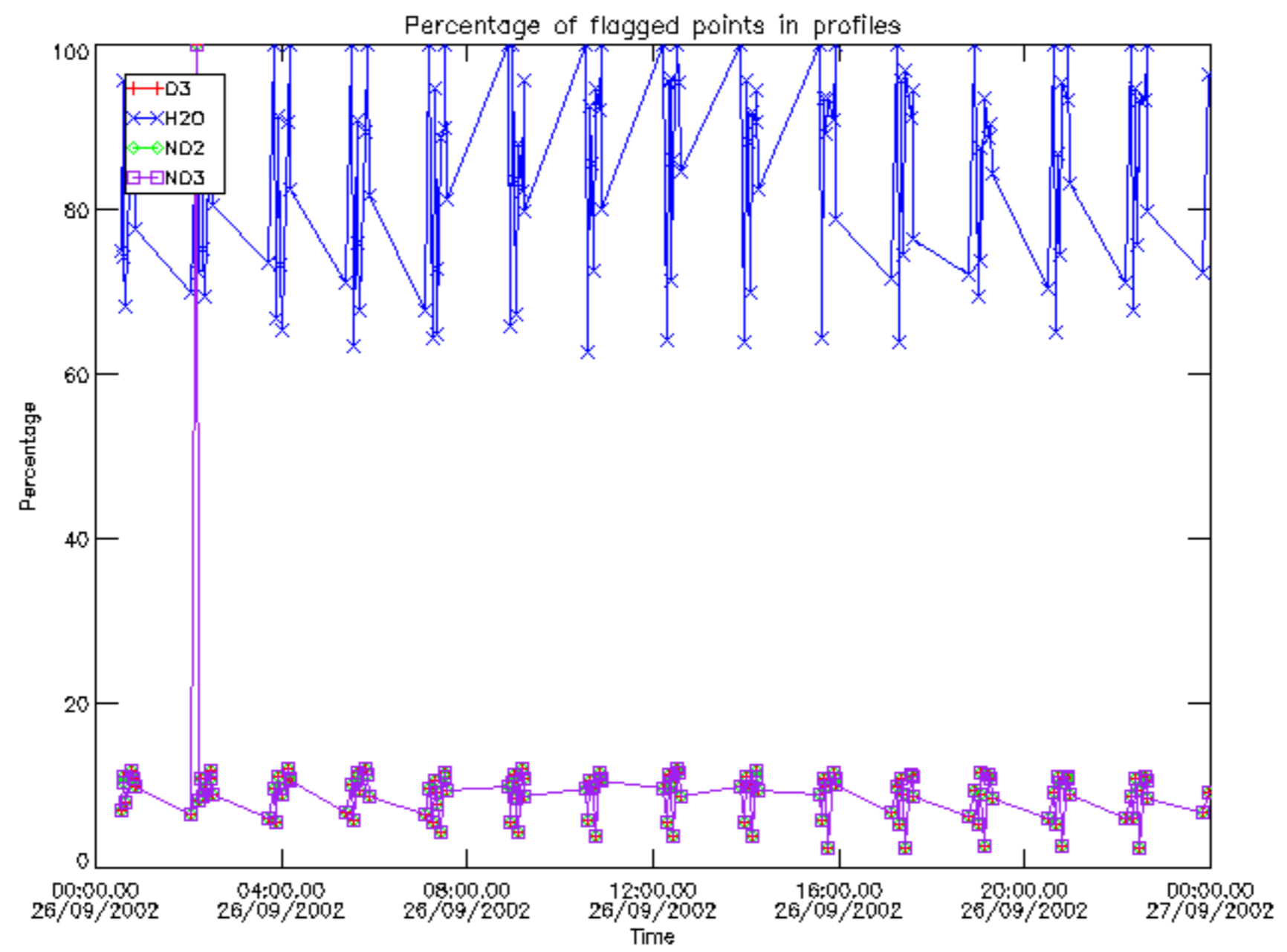
The colorbar represents the latitude.



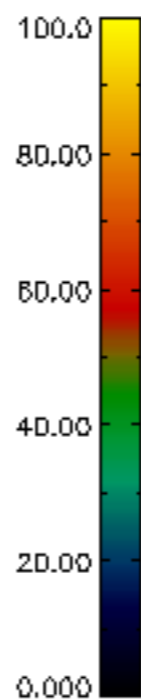
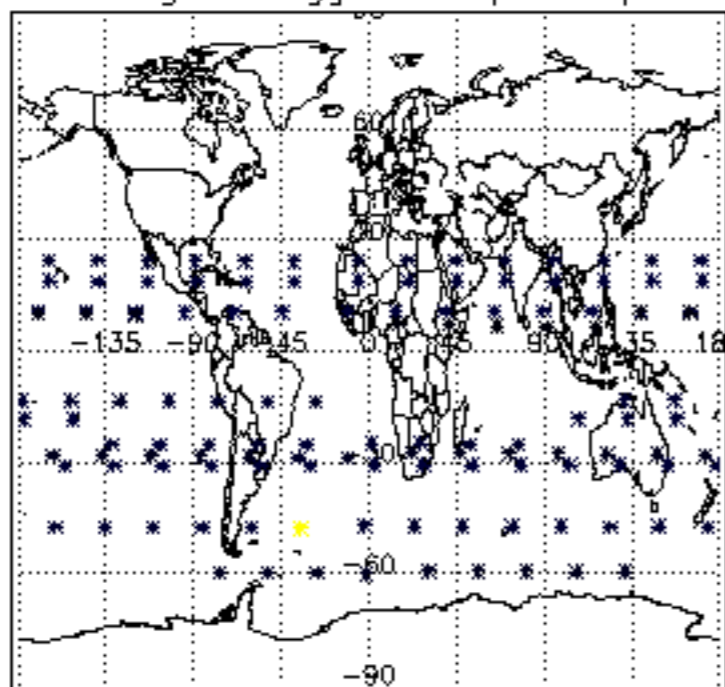
6. Auxiliary Data Files used for the production reported in section 2

The number reported in the third column indicates since which file (see list in section 2) the corresponding auxiliary file has been used. The fourth column is the date of those product files.

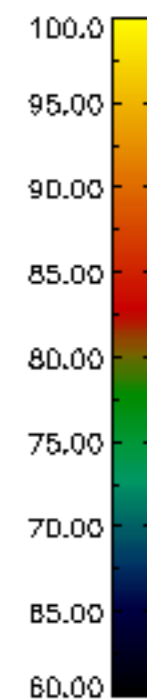
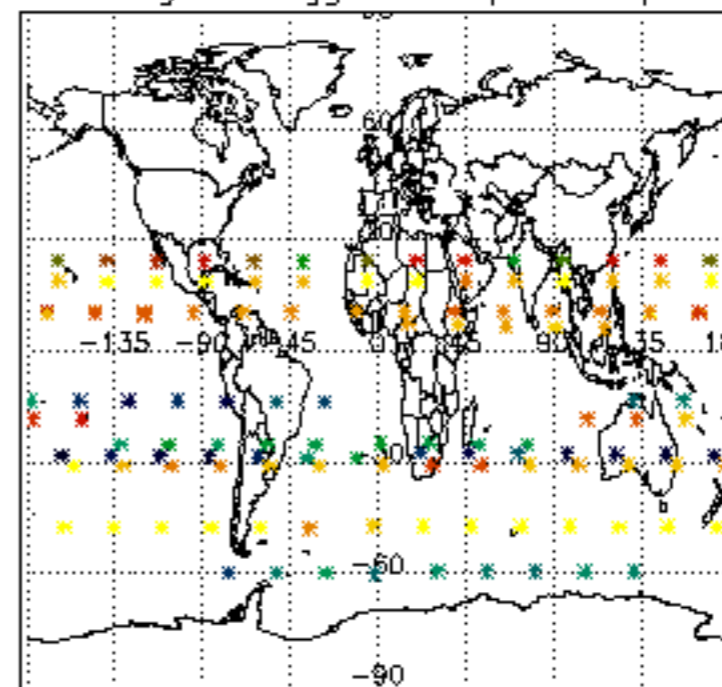
Type	Auxiliary Filename	Used since product	Used since product date
INST_PHYS_CHARACTERISTICS	GOM_INS_AXNIEC20050627_150440_20020301_000000_20100101_000000	1	26-SEP-2002 00:32:21
LEVEL-2_PROC_CONFIG	GOM_PR2_AXVIEC20091111_152718_20020301_000000_20500101_000000	1	26-SEP-2002 00:32:21
CROSS_SECTIONS_FILE	GOM_CRS_AXVIEC20091111_154832_20020301_000000_20500101_000000	1	26-SEP-2002 00:32:21



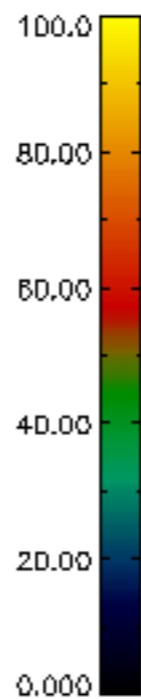
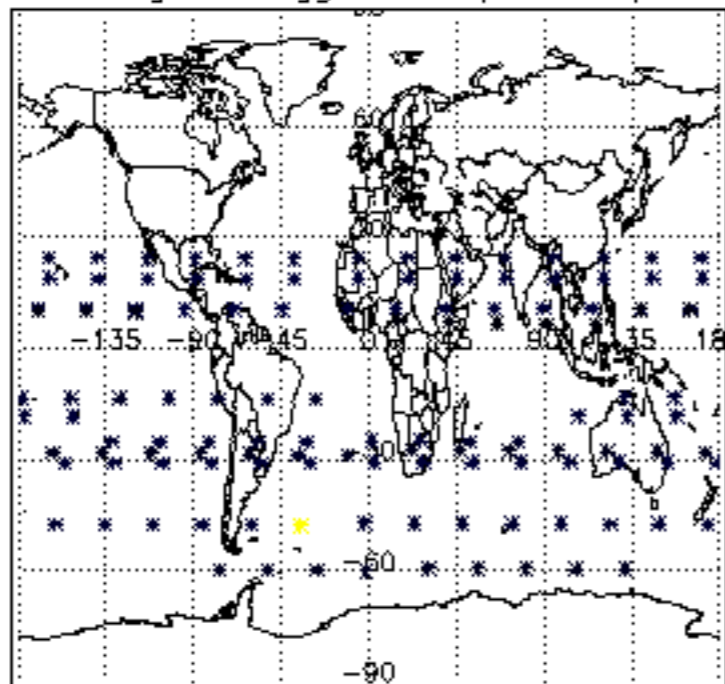
Percentage of flagged data per D3 profile



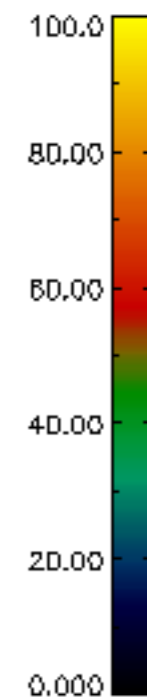
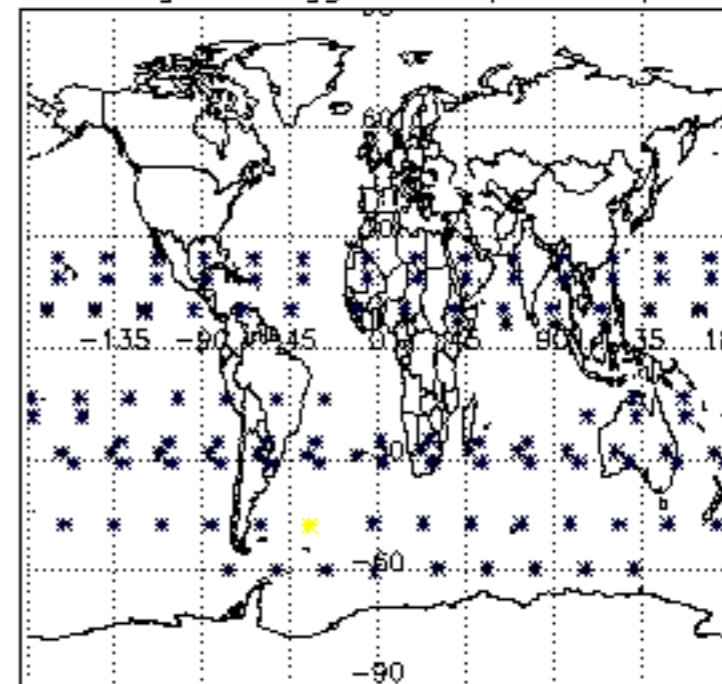
Percentage of flagged data per H2O profile

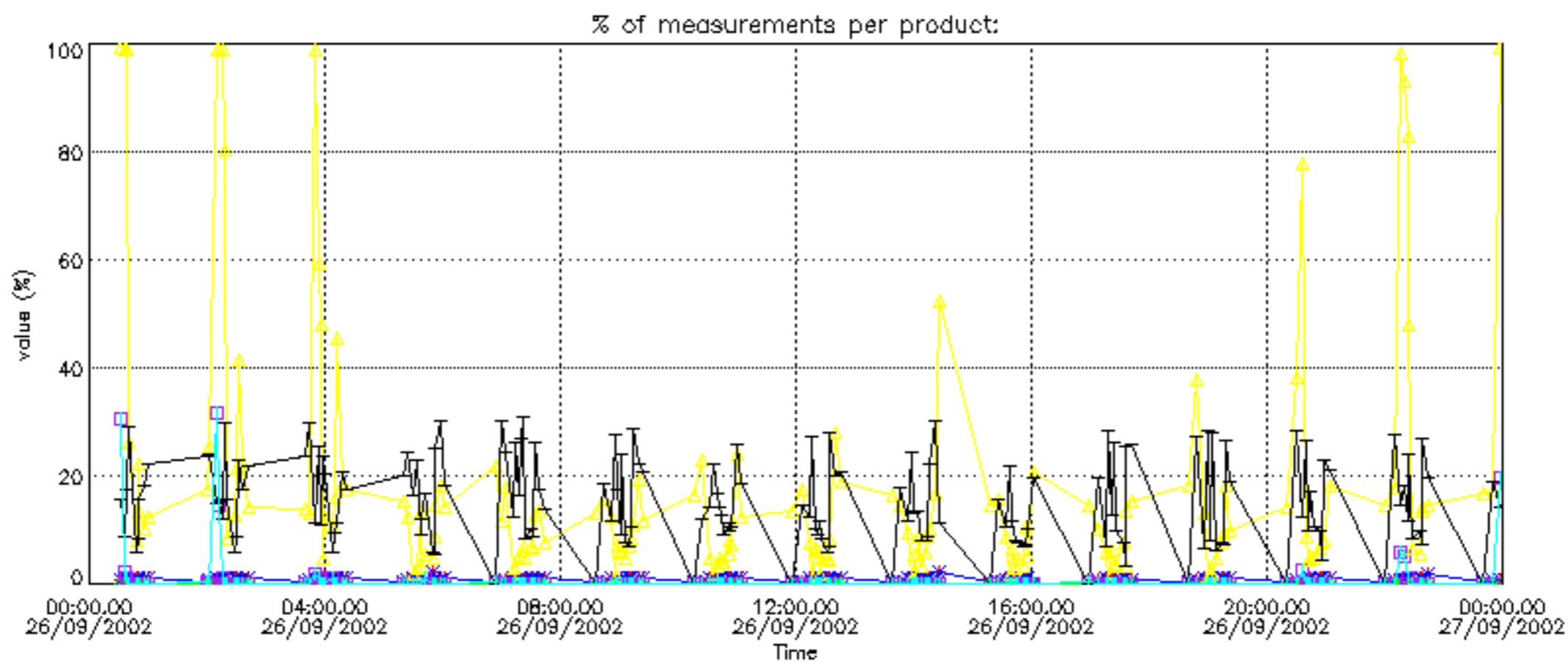


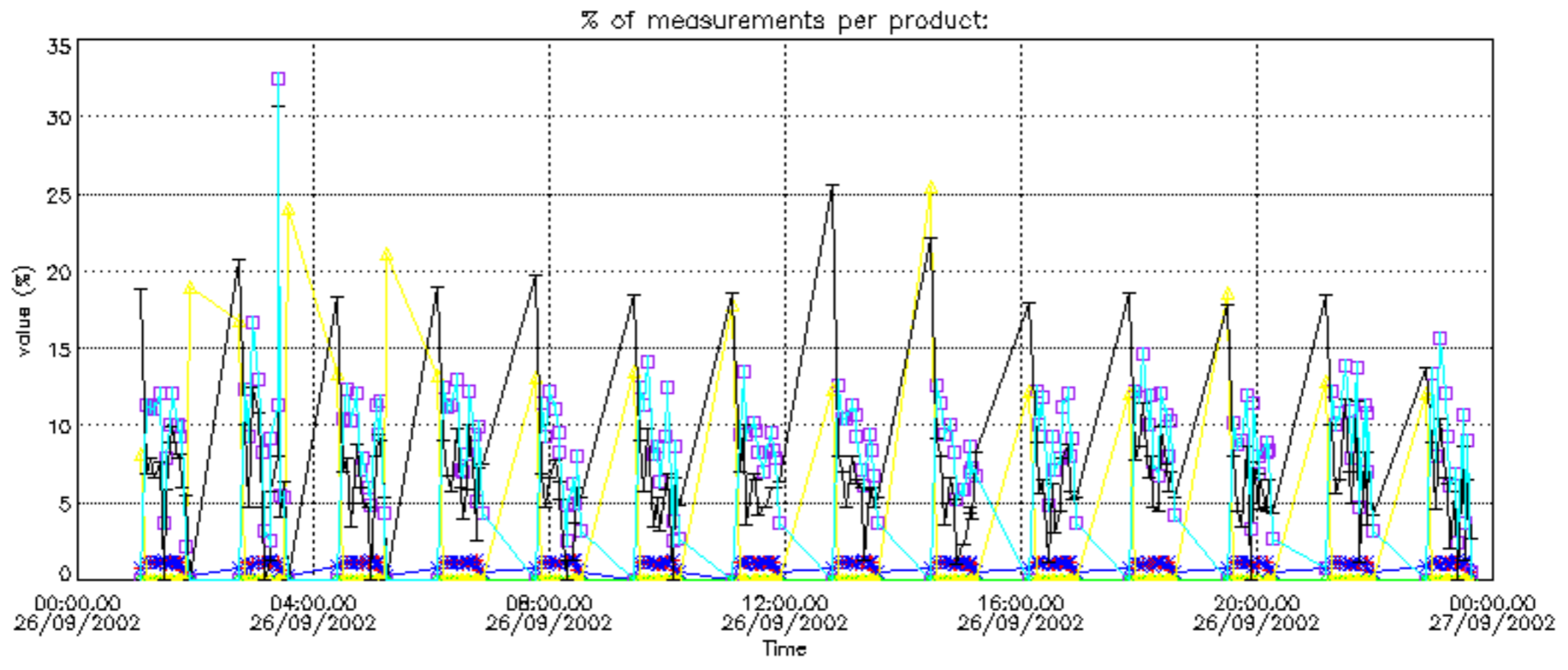
Percentage of flagged data per NO2 profile



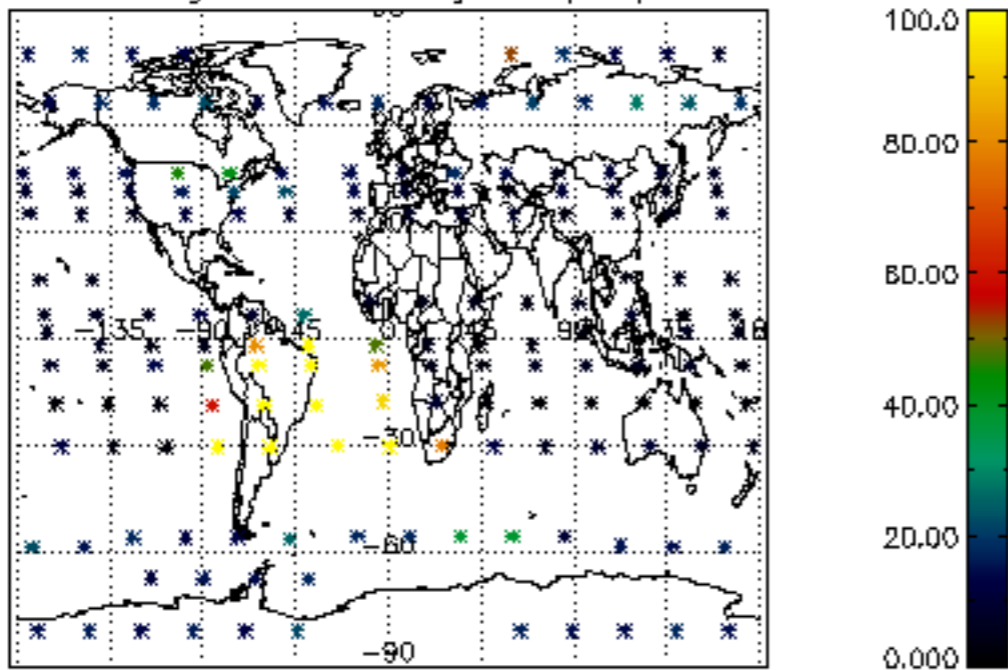
Percentage of flagged data per NO3 profile



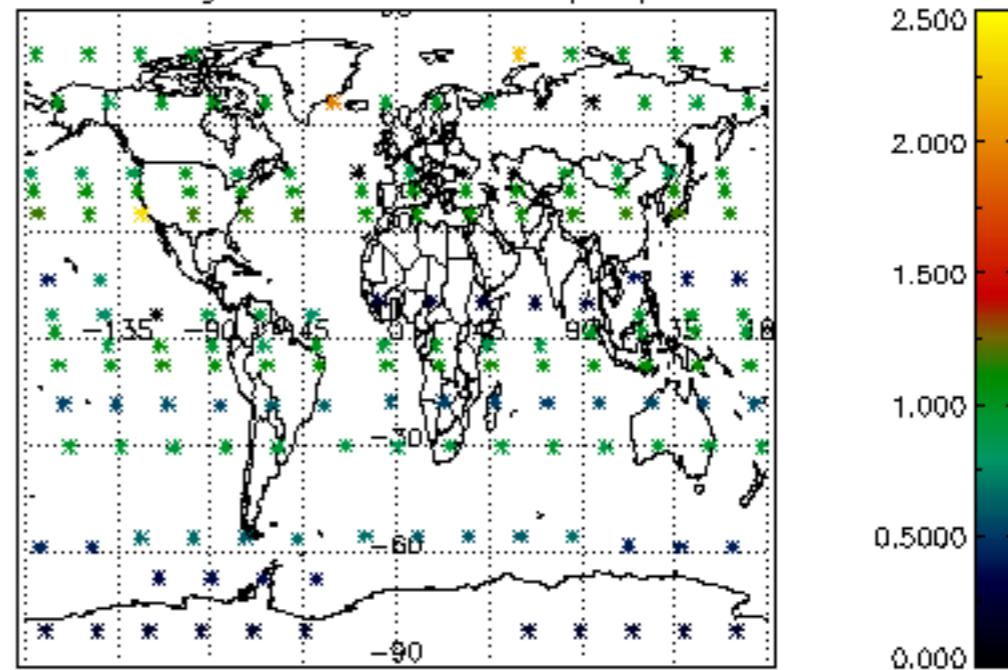




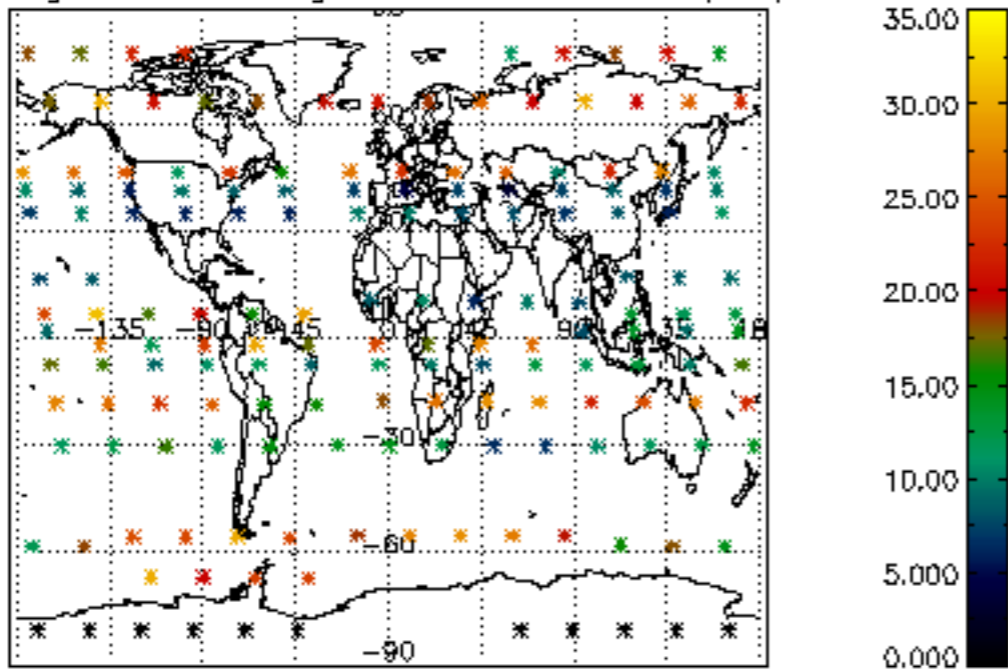
Percentage of cosmic ray hits per profile



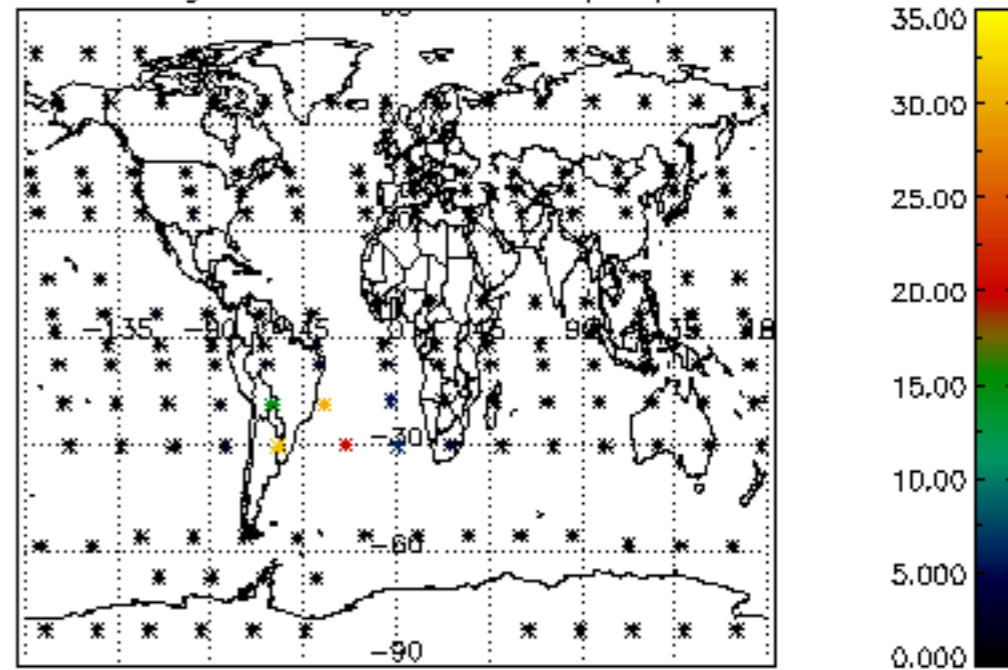
Percentage of datation errors per profile



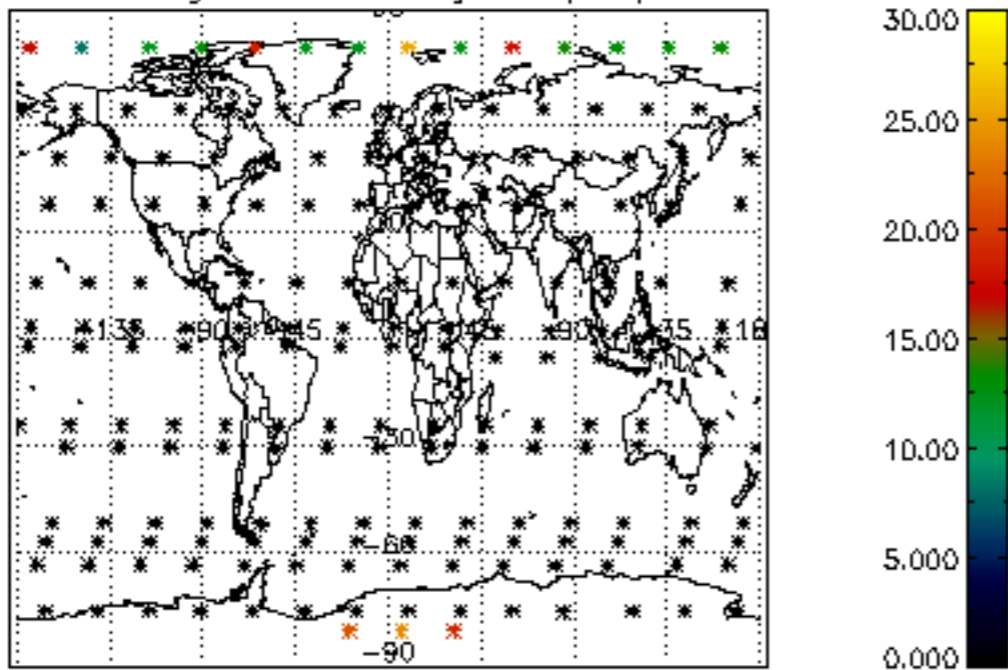
Percentage of star falling outside central band per profile



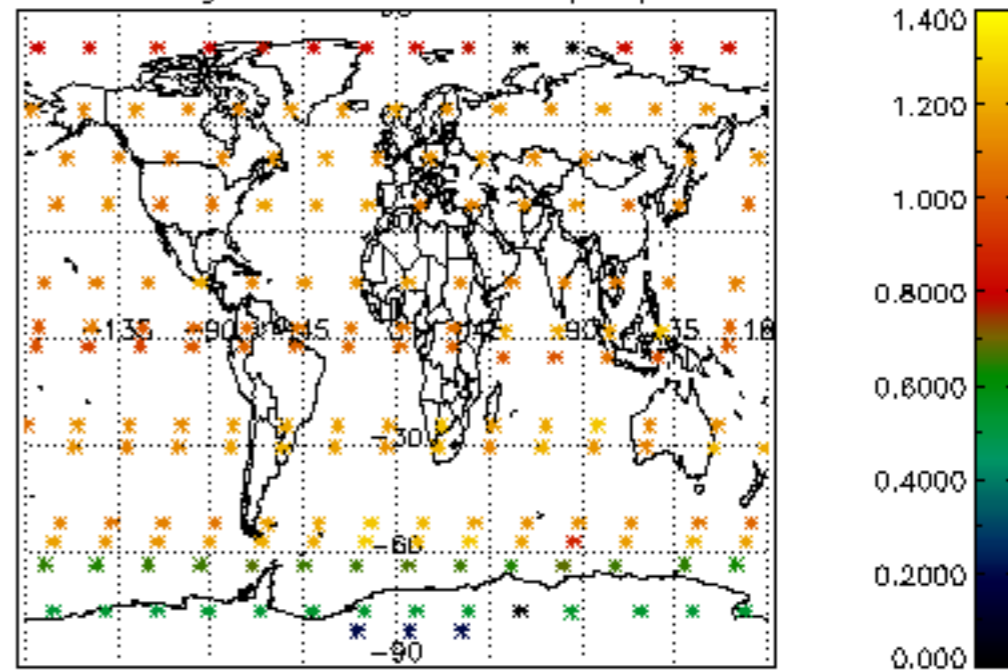
Percentage of saturation errors per profile



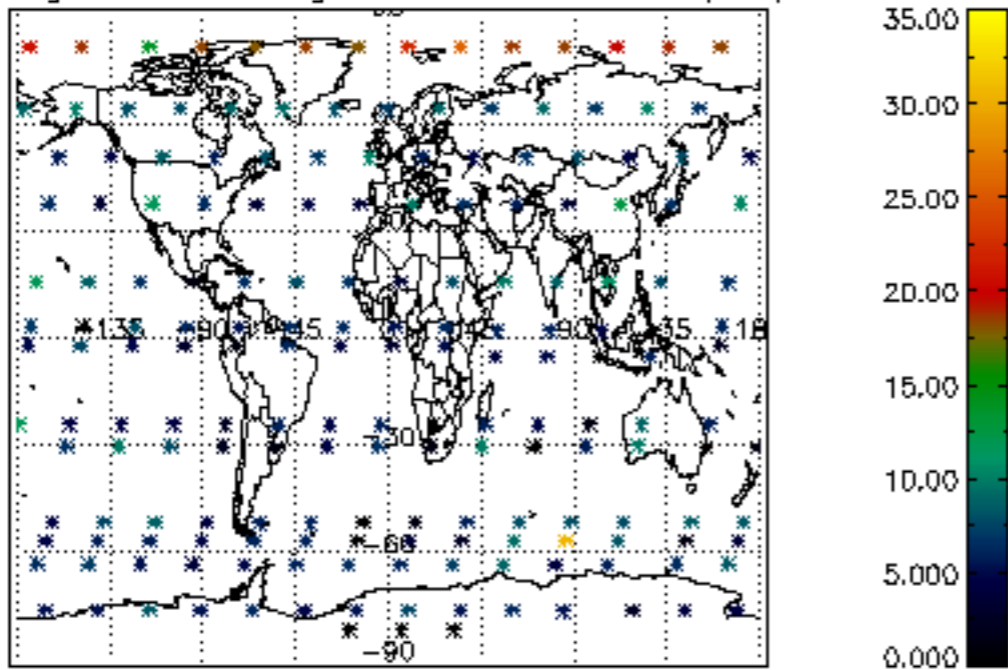
Percentage of cosmic ray hits per profile



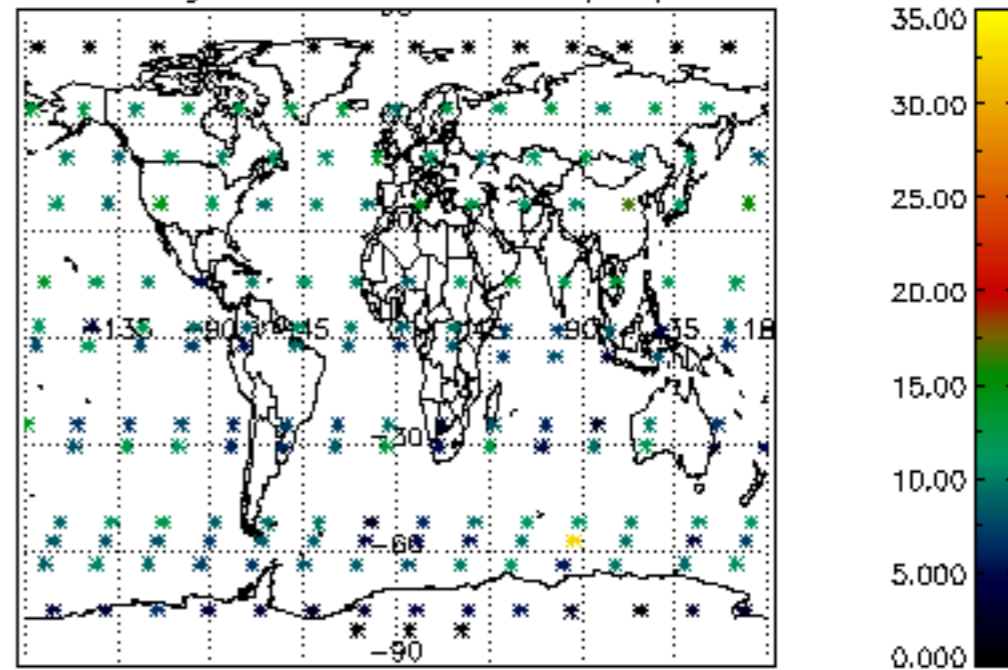
Percentage of datation errors per profile

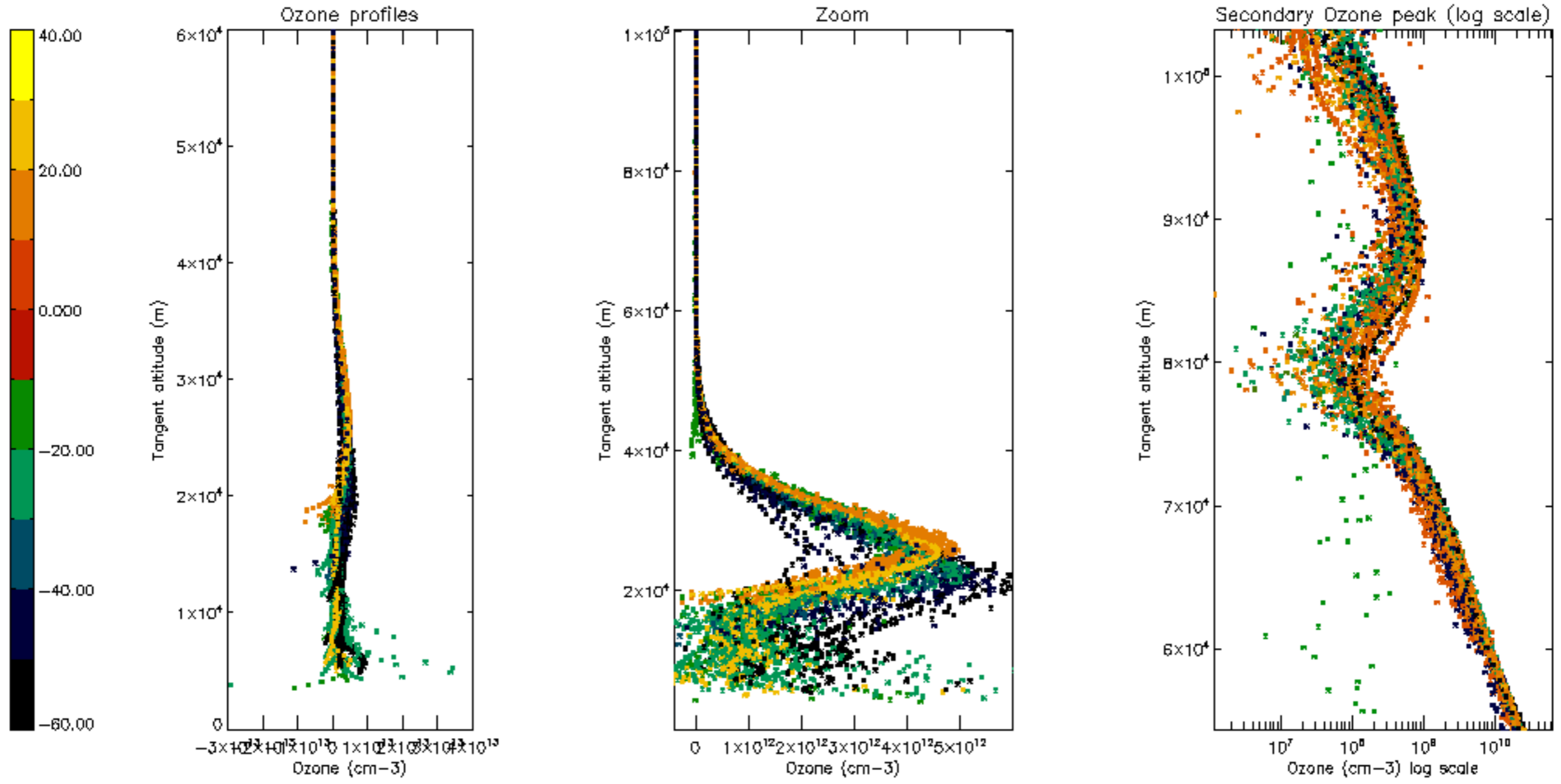


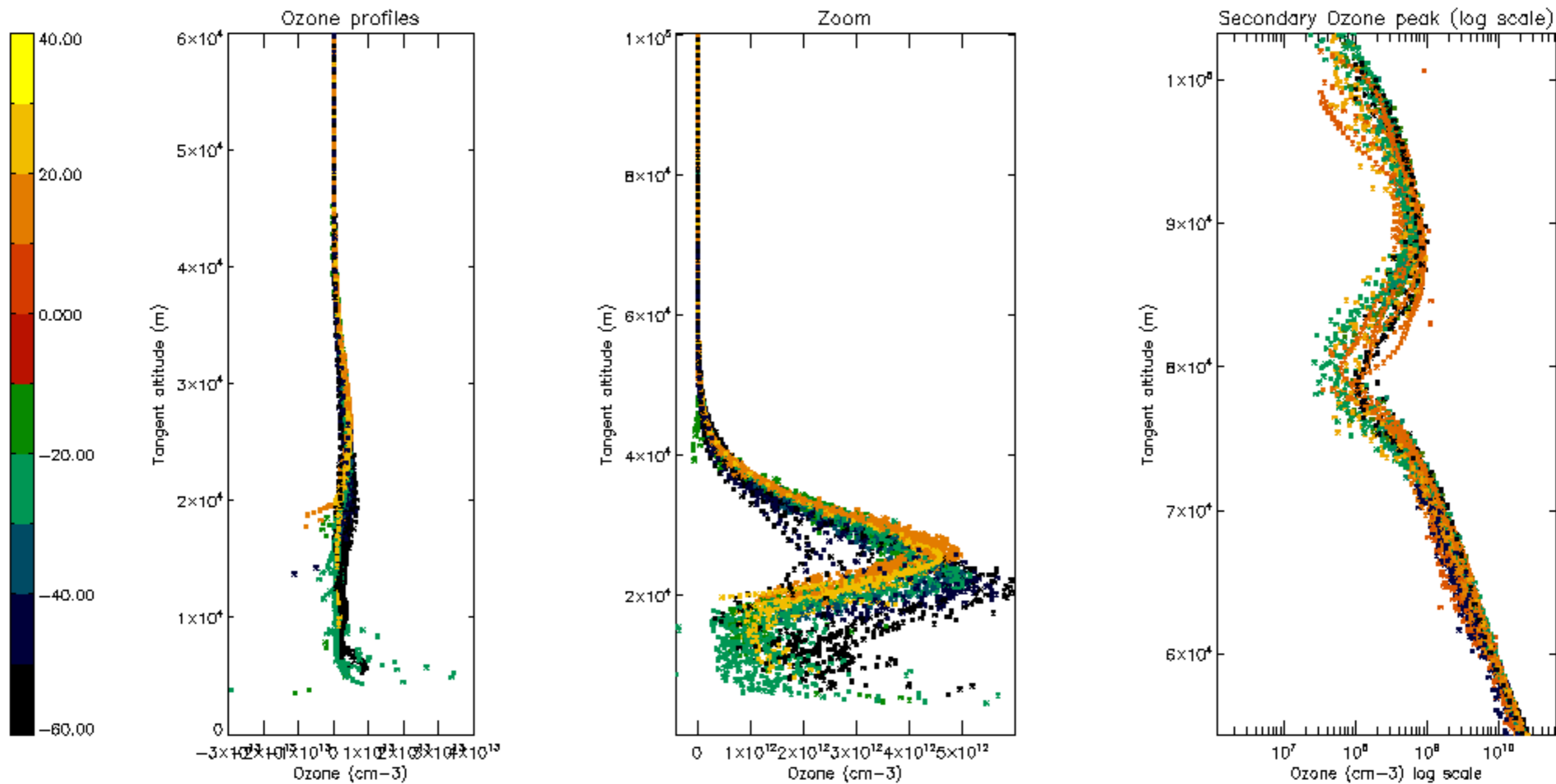
Percentage of star falling outside central band per profile

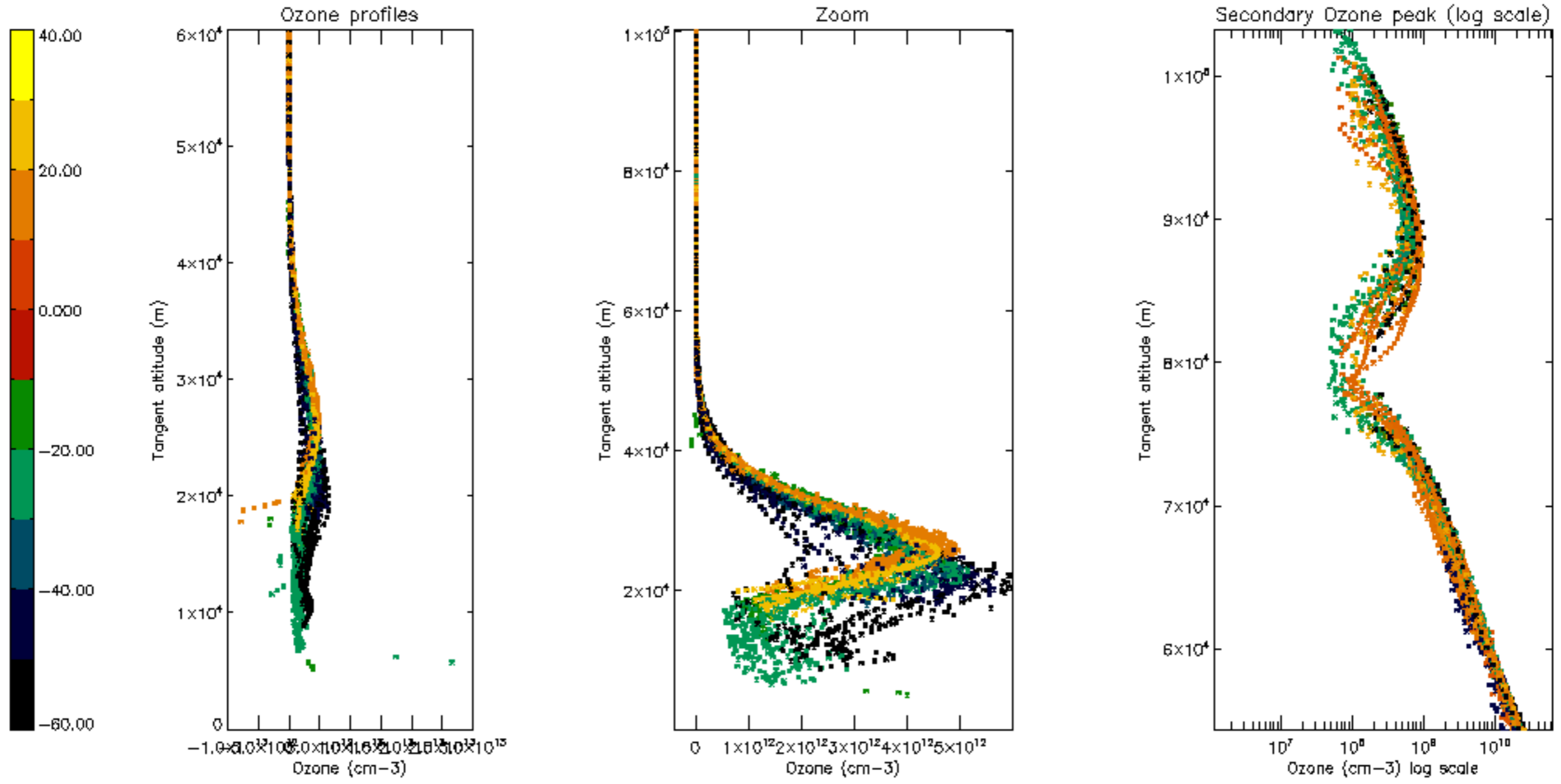


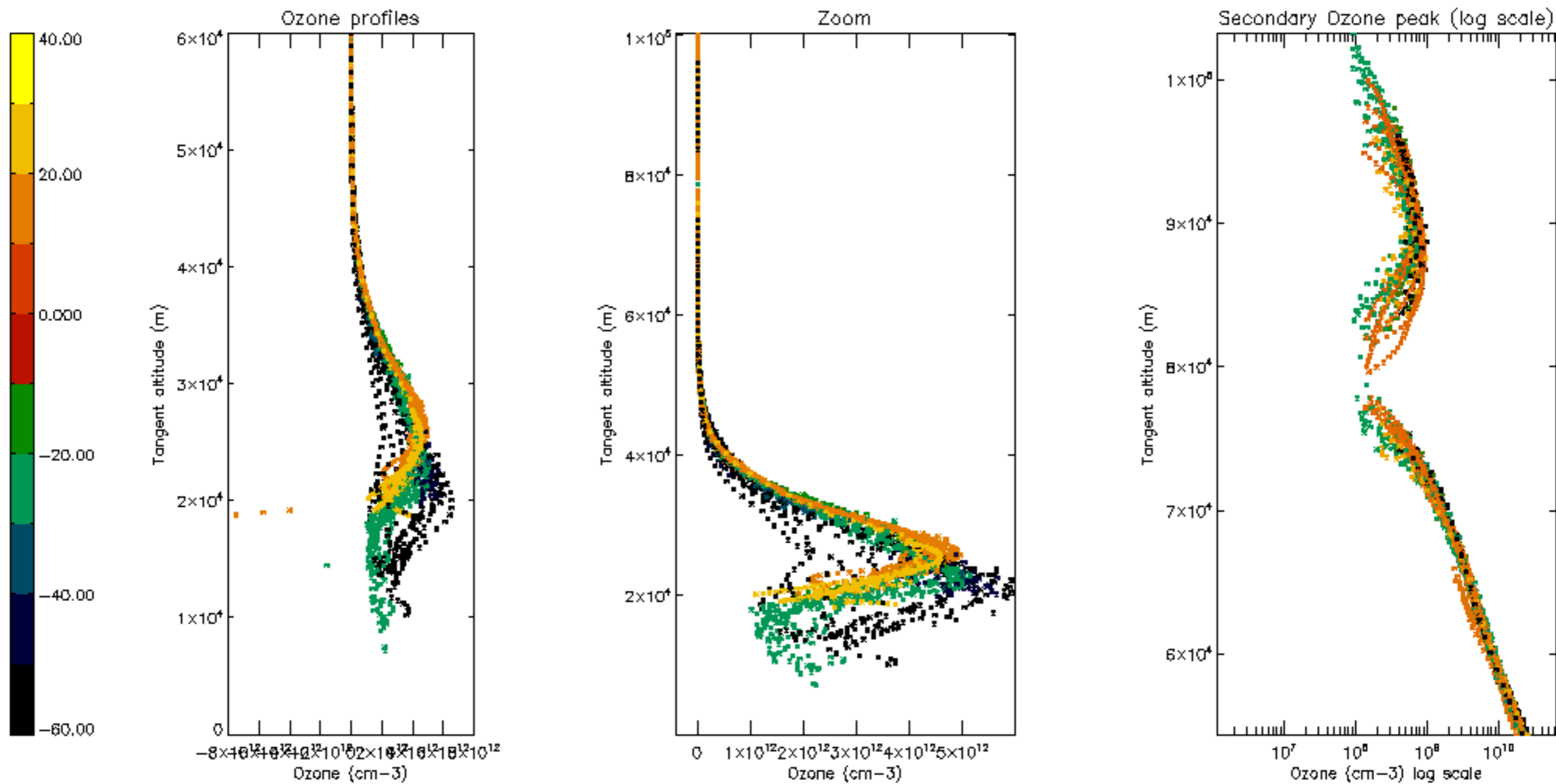
Percentage of saturation errors per profile

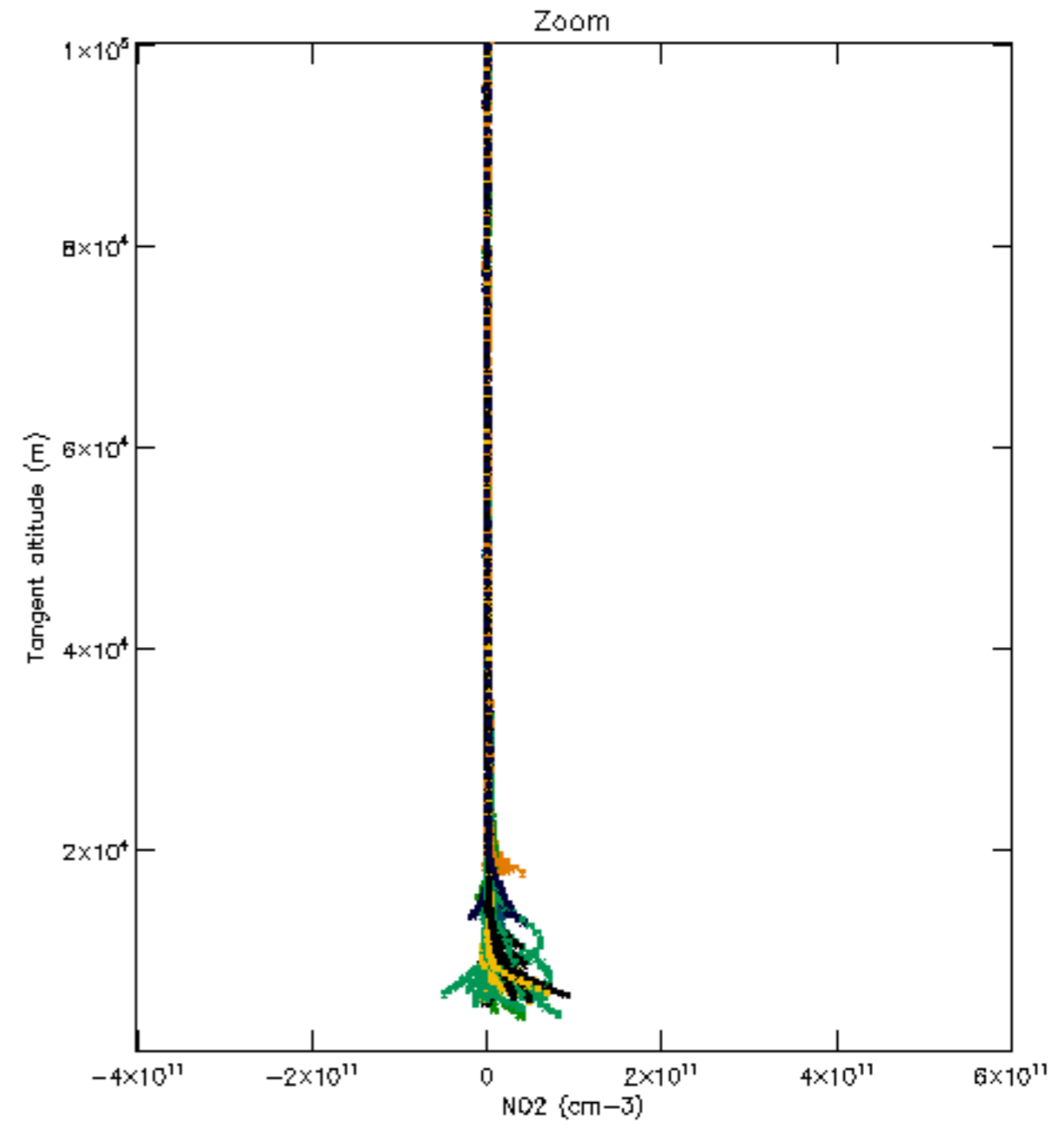
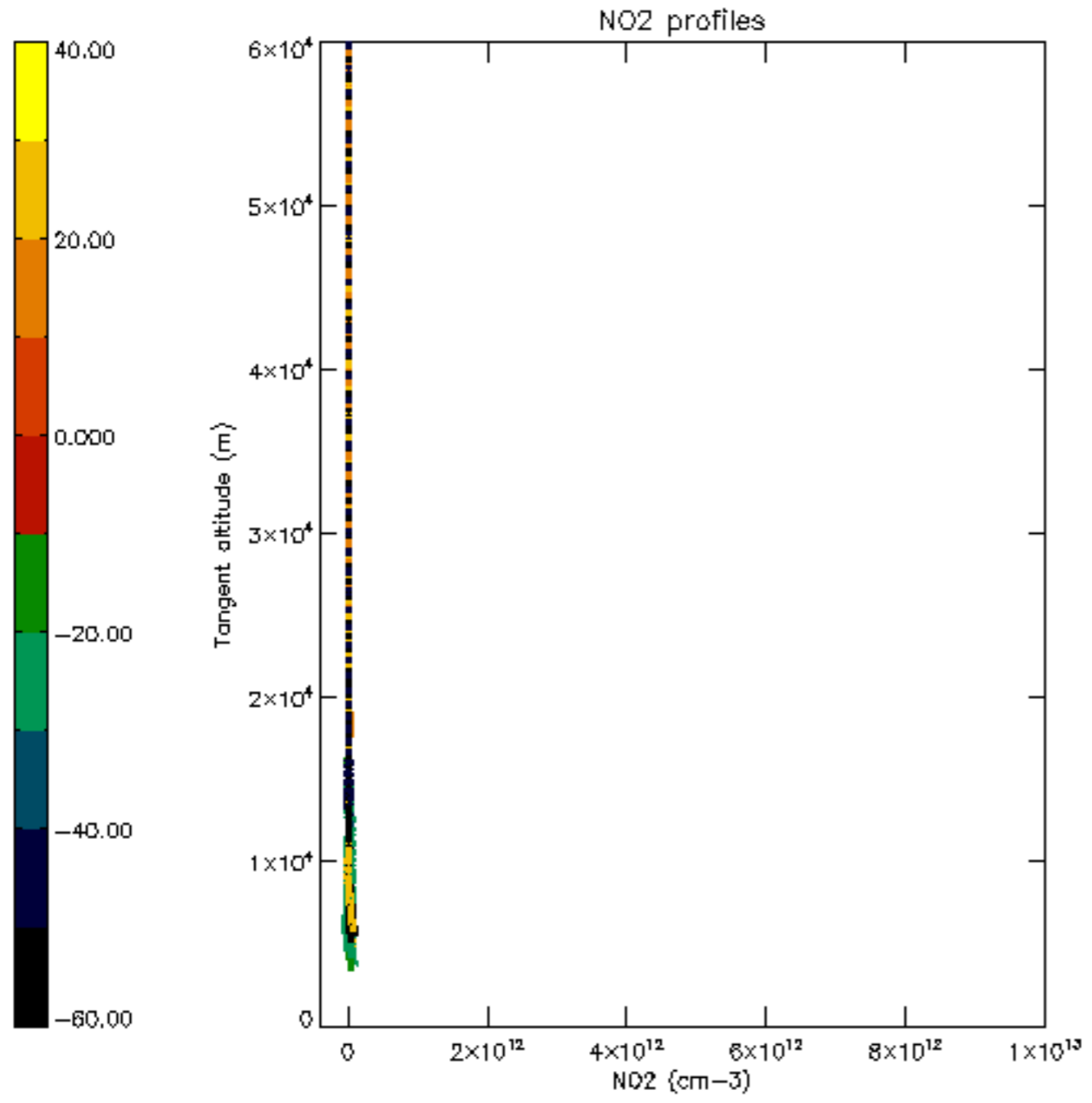


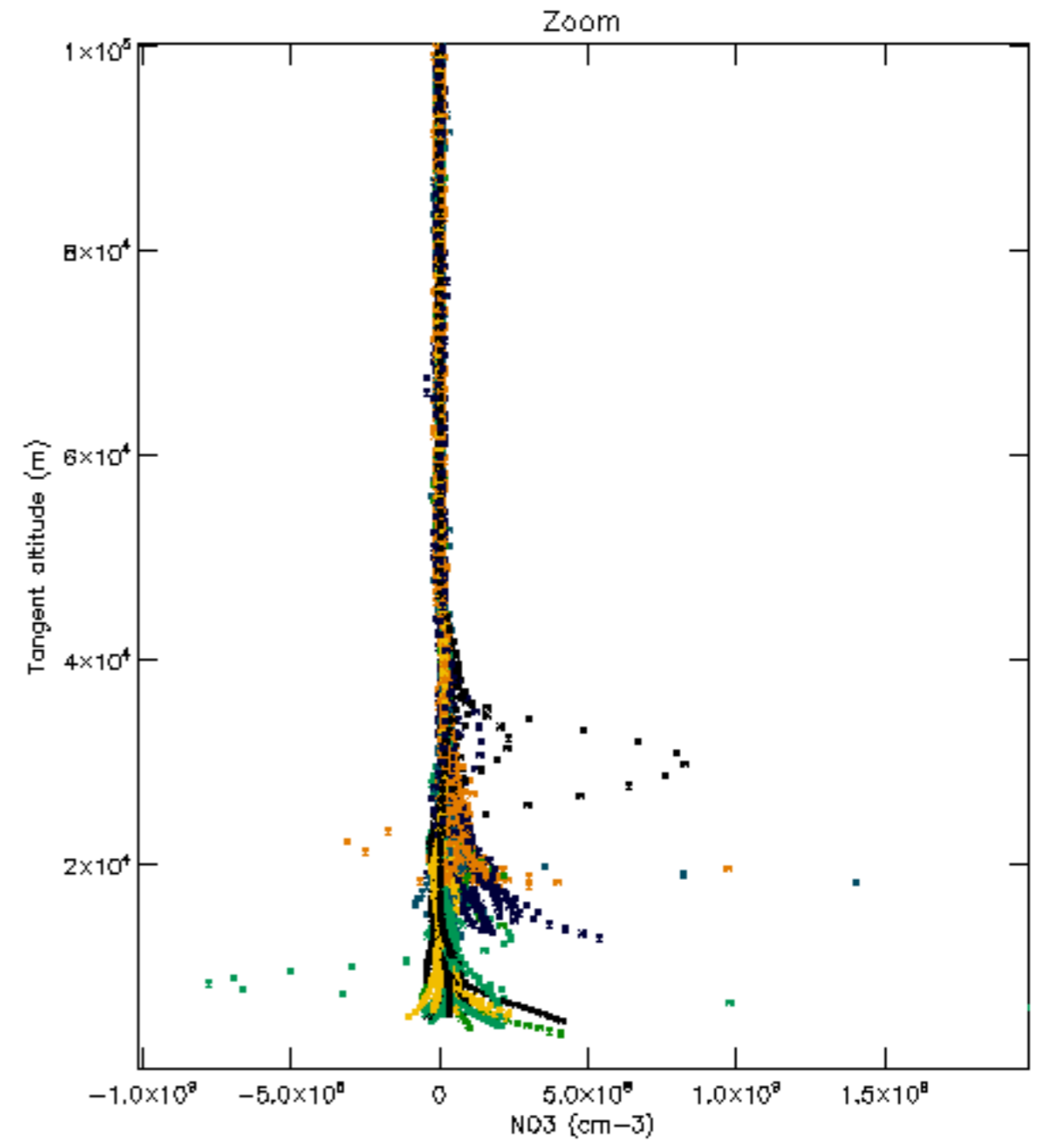
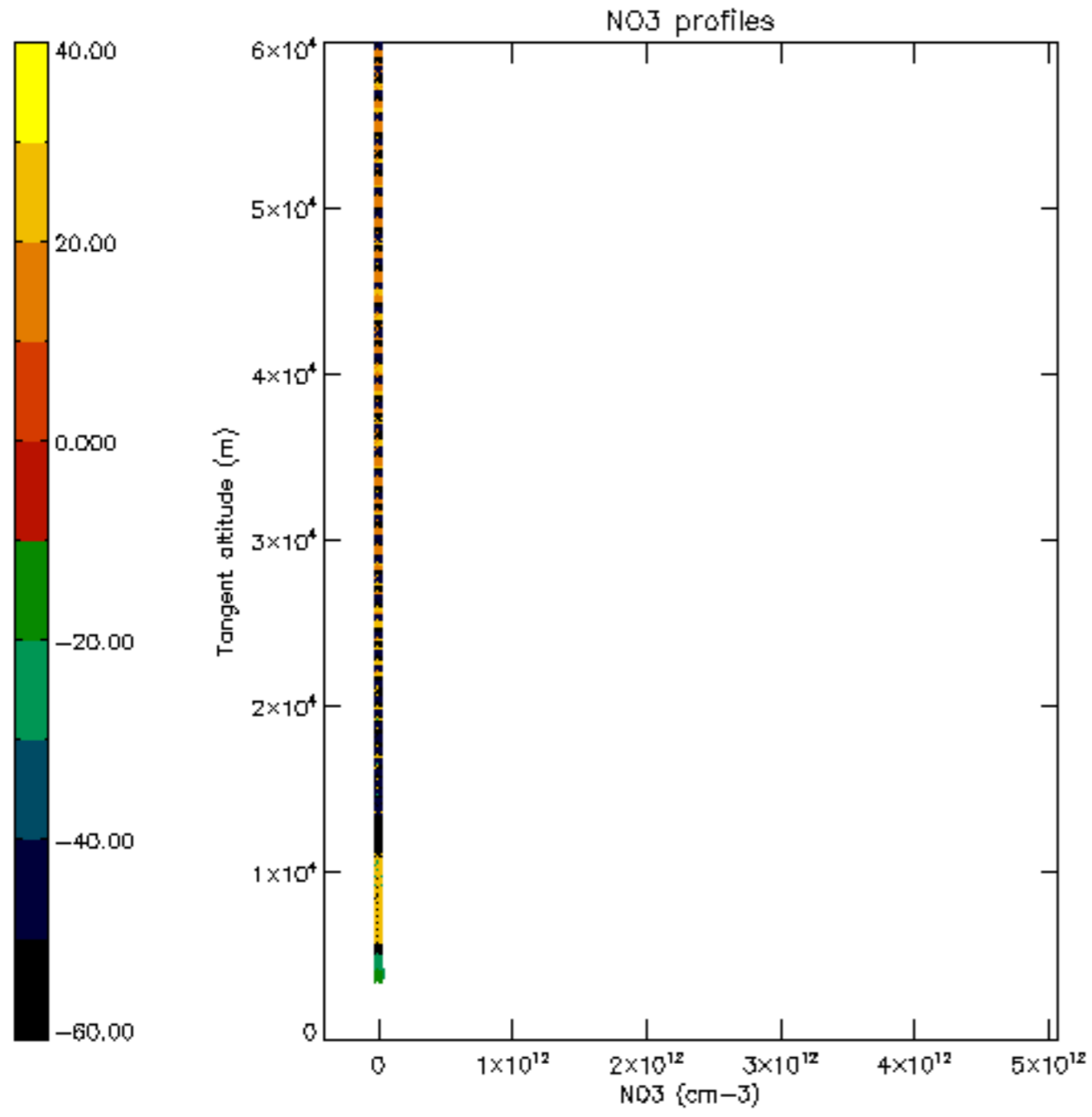


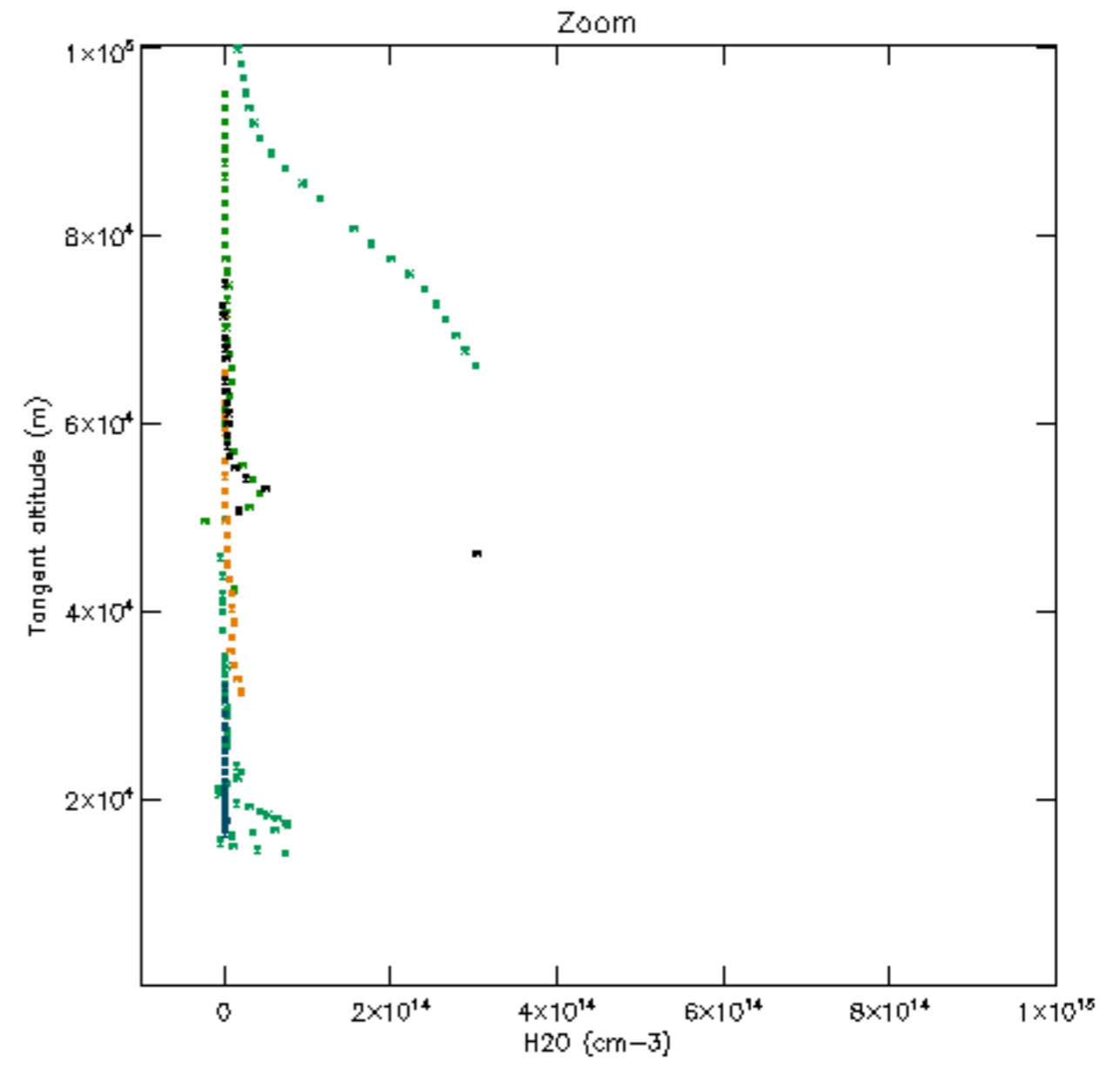
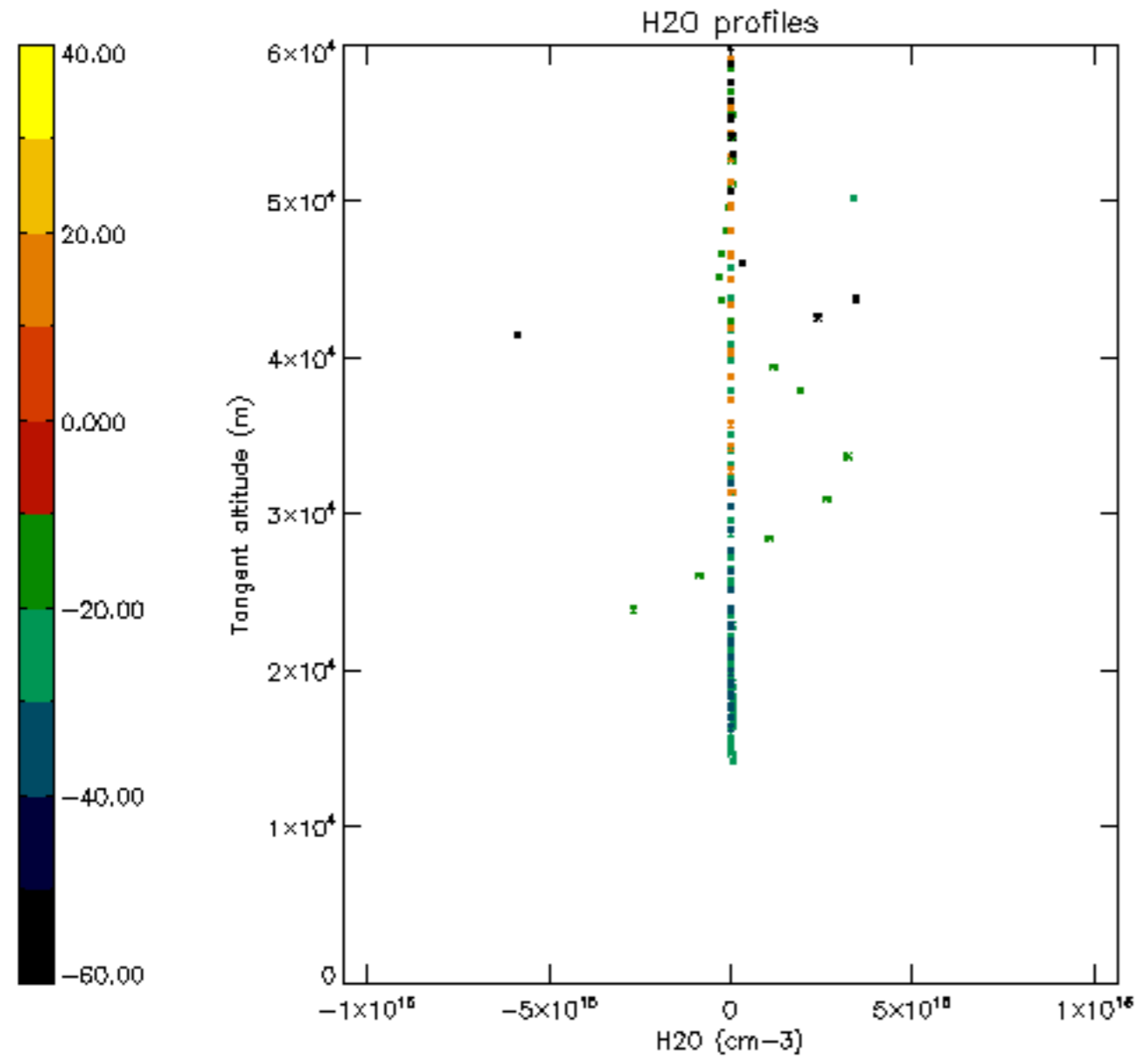


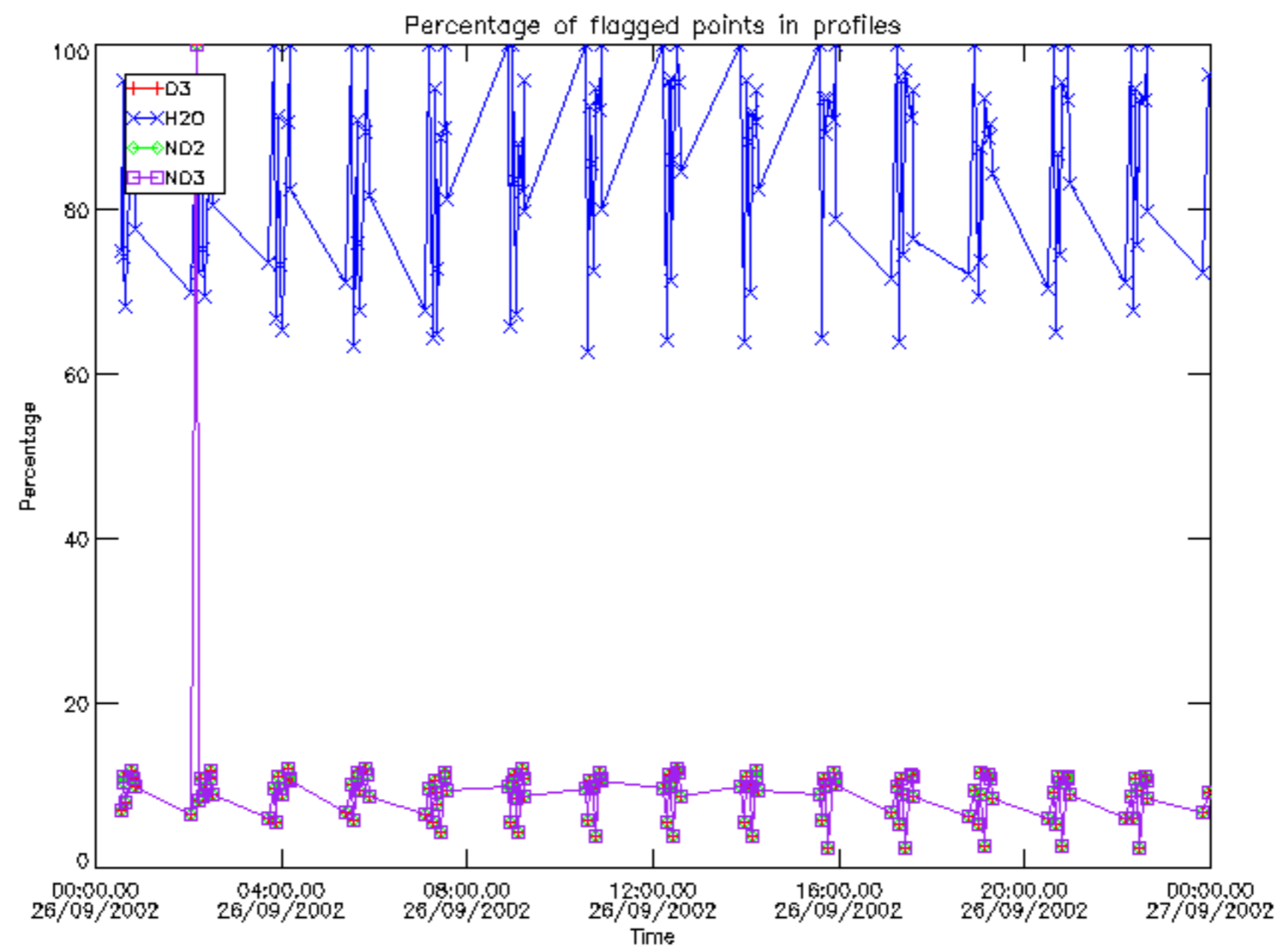




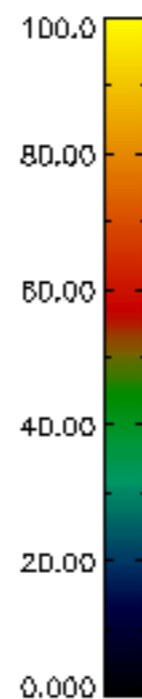
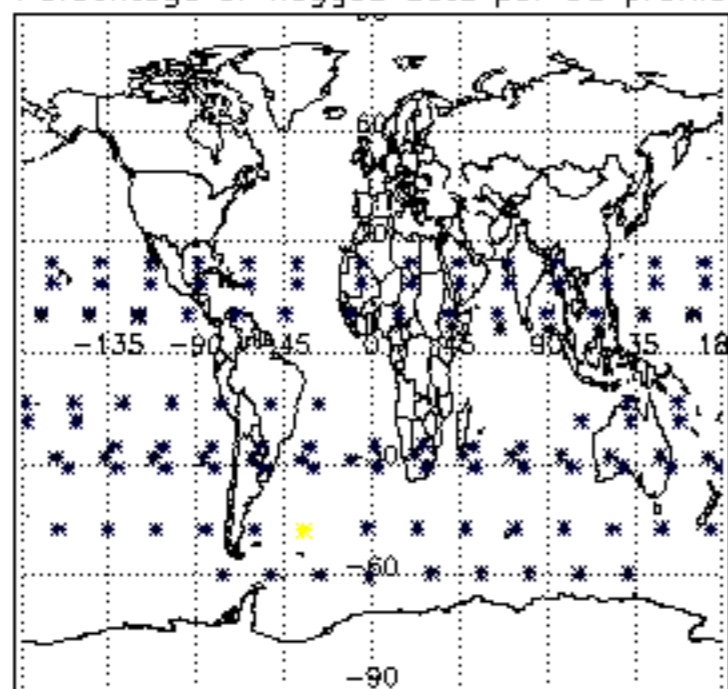




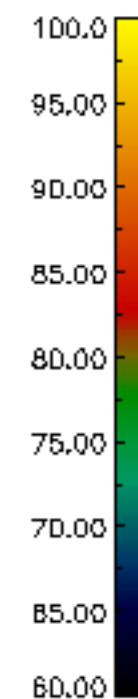
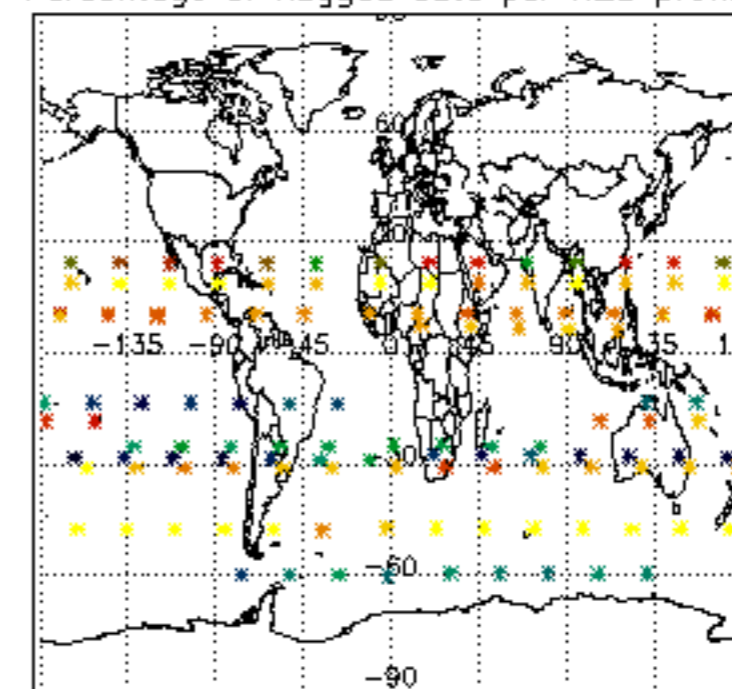




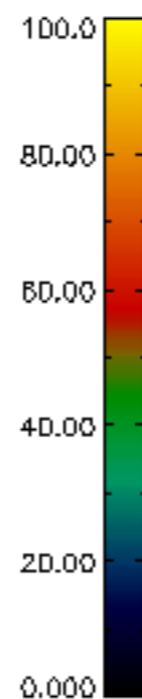
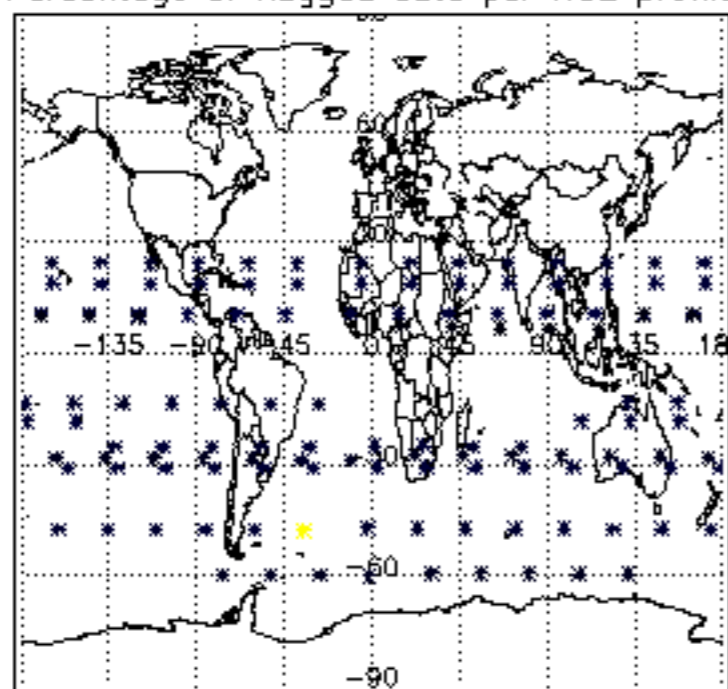
Percentage of flagged data per D3 profile



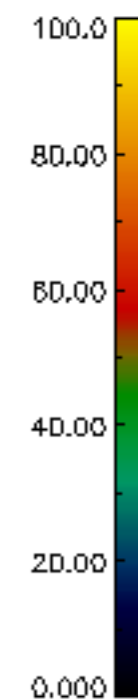
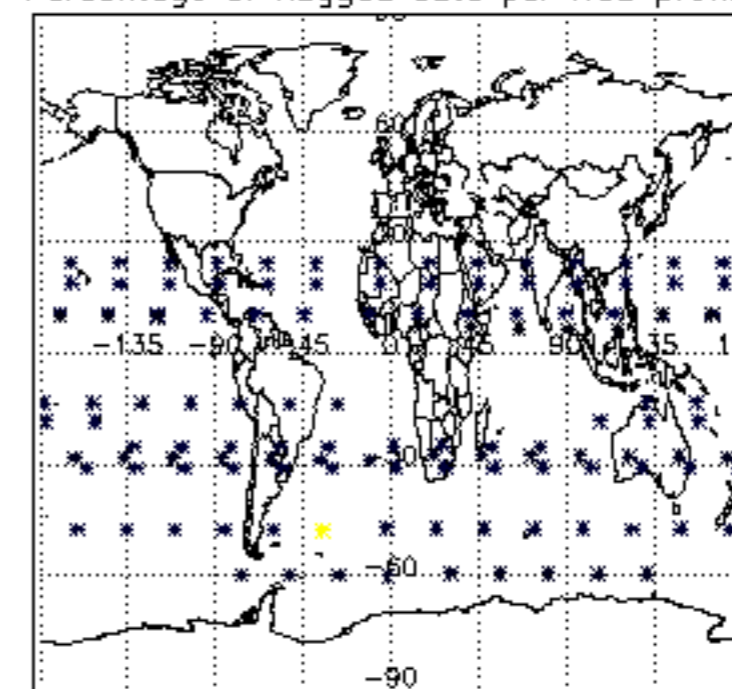
Percentage of flagged data per H2O profile

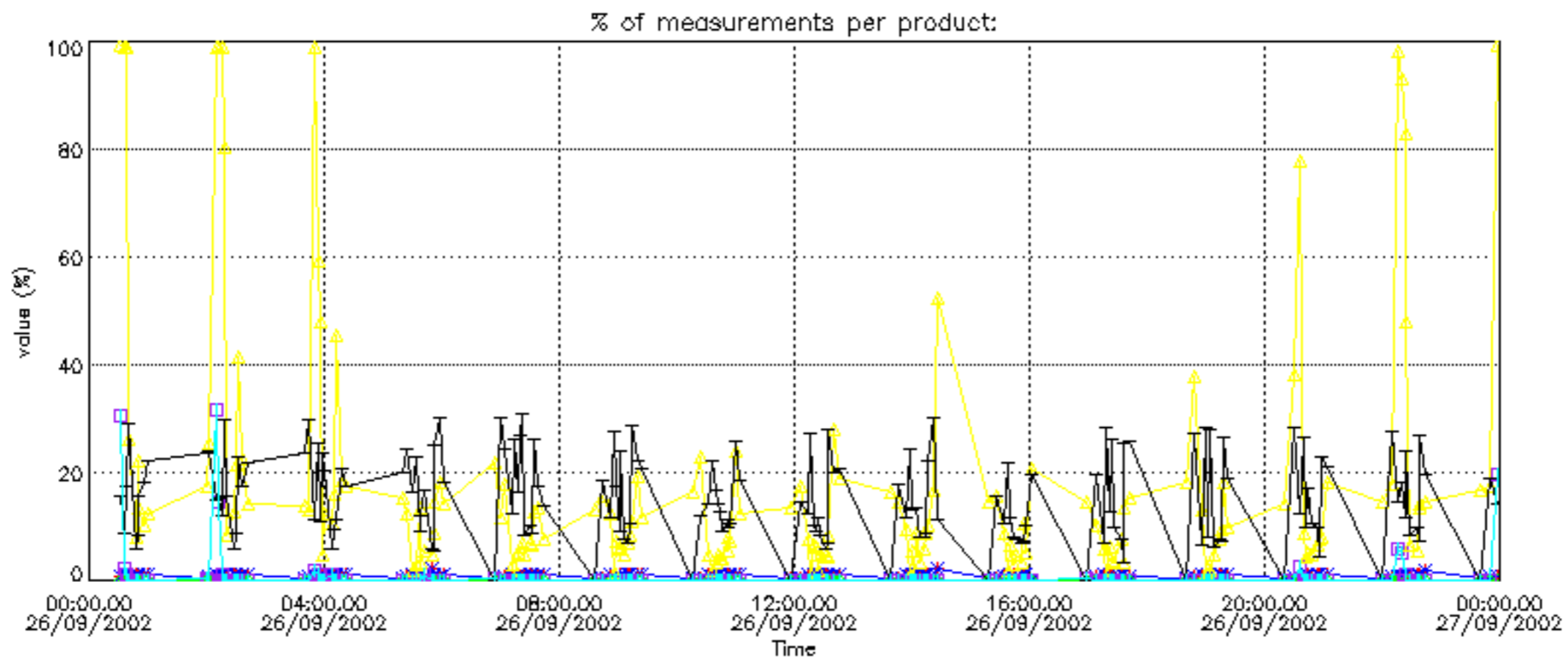


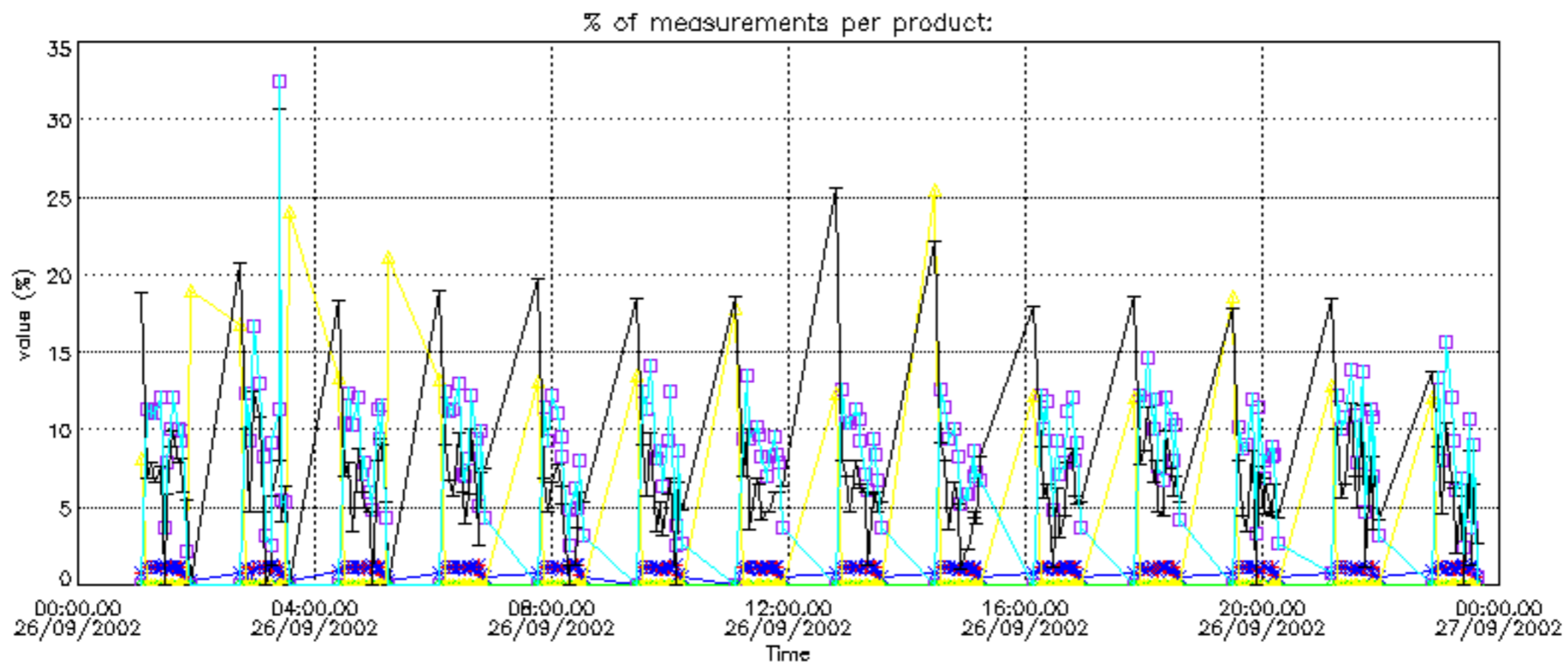
Percentage of flagged data per NO2 profile



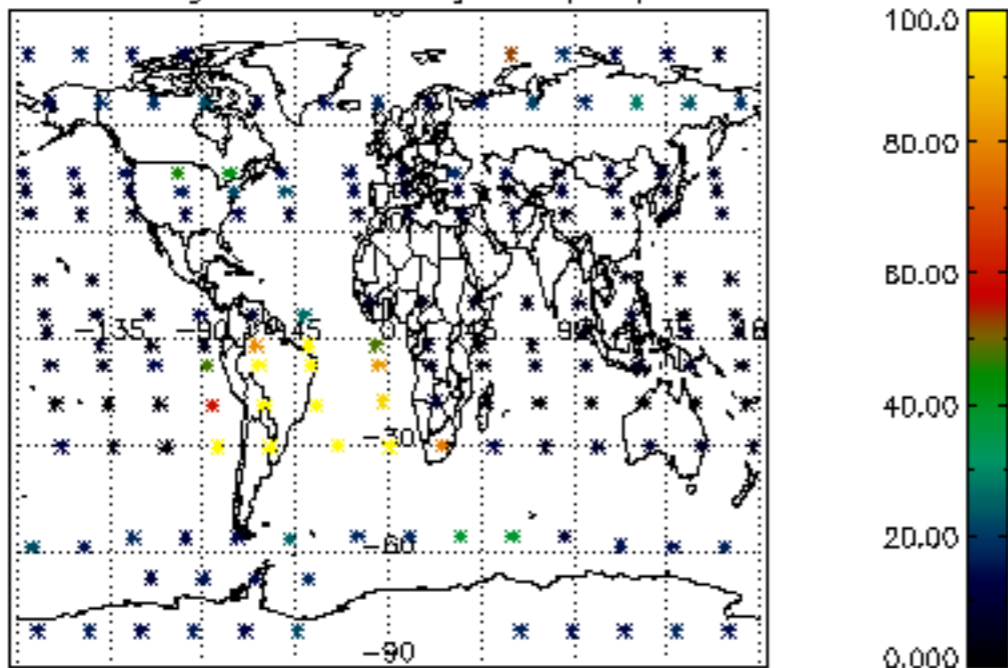
Percentage of flagged data per NO3 profile



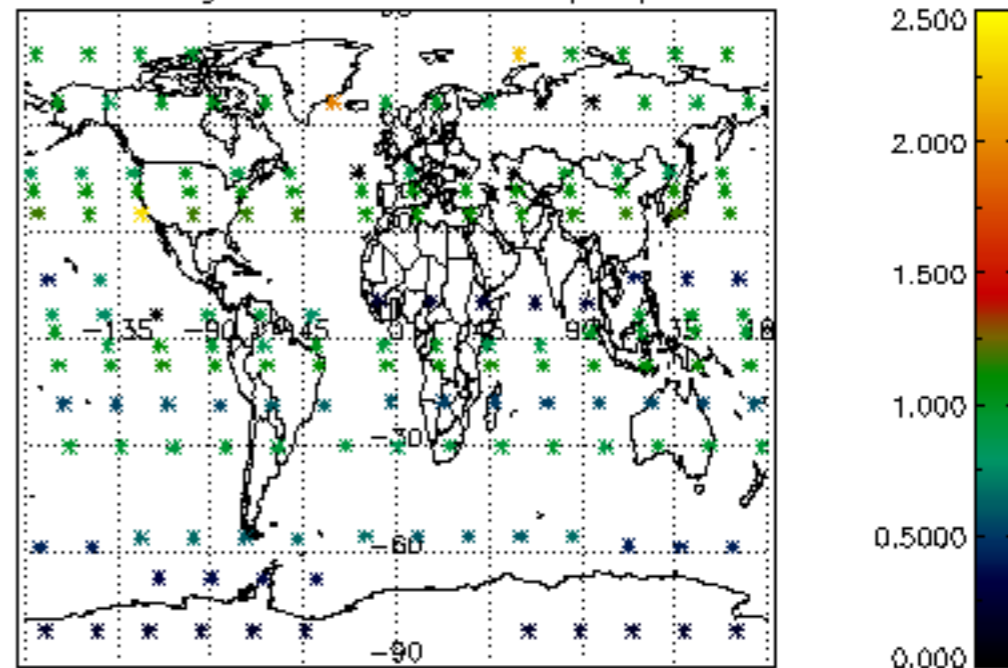




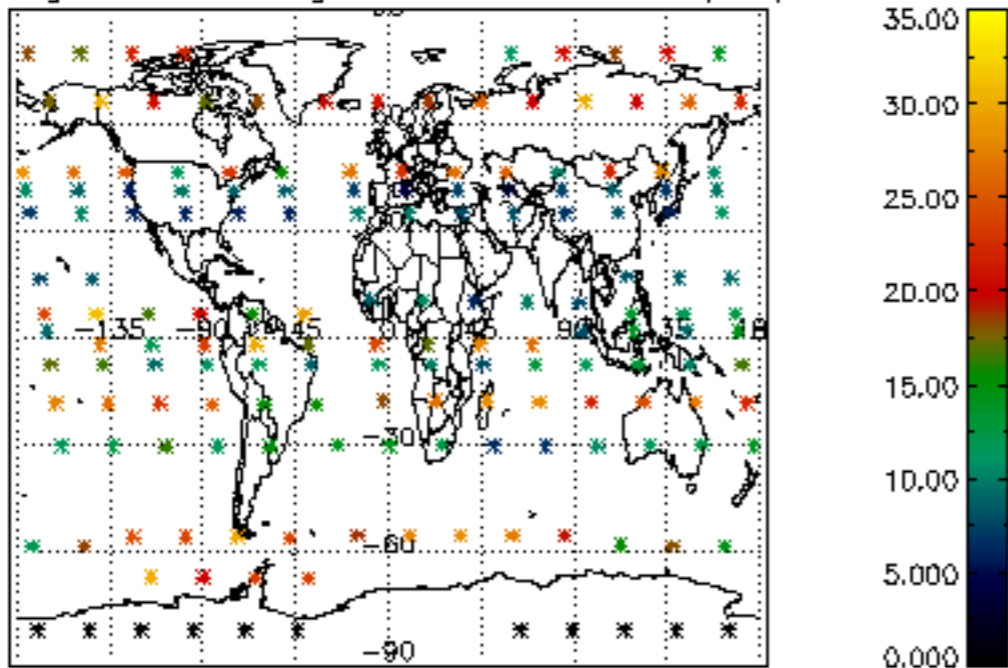
Percentage of cosmic ray hits per profile



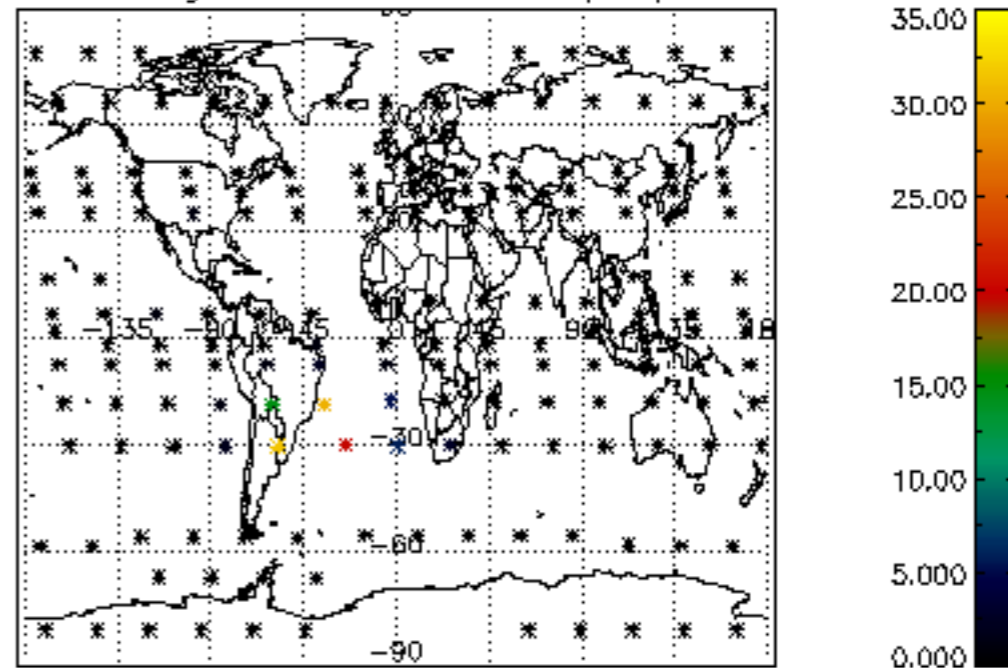
Percentage of datation errors per profile



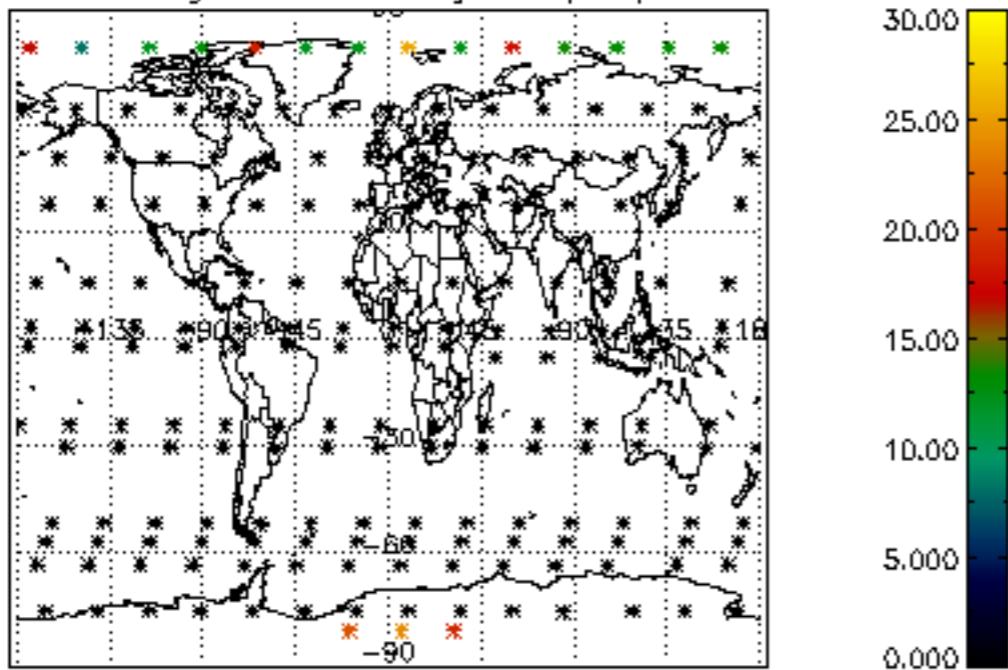
Percentage of star falling outside central band per profile



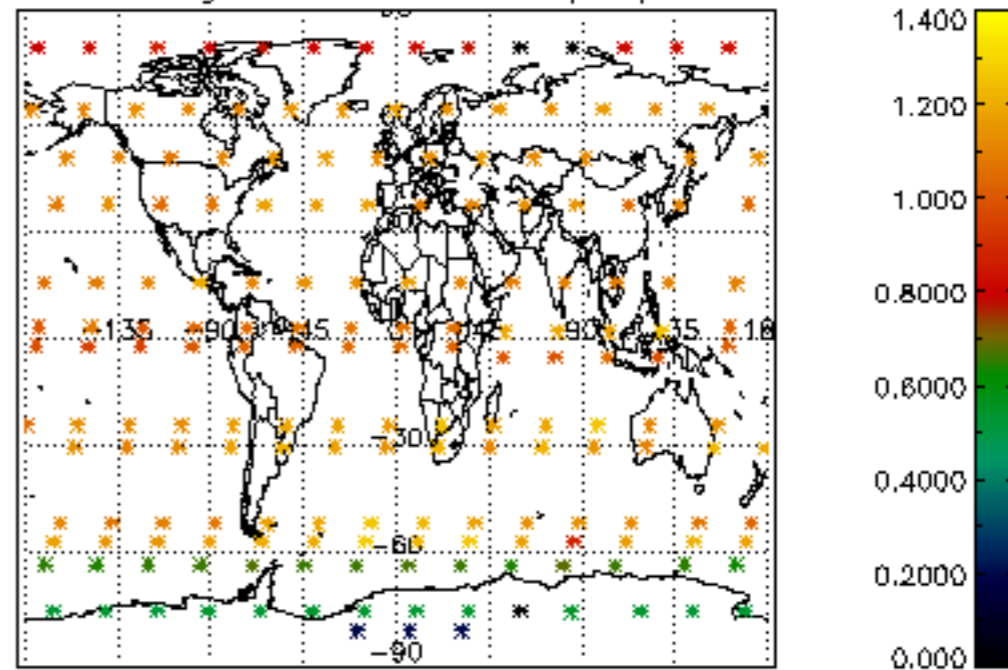
Percentage of saturation errors per profile



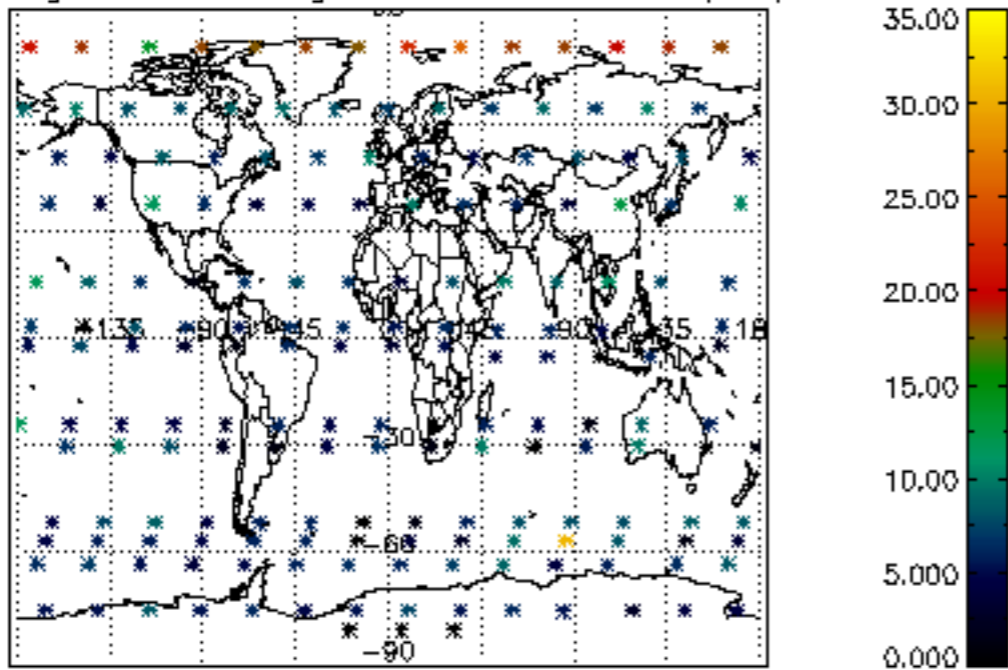
Percentage of cosmic ray hits per profile



Percentage of datation errors per profile



Percentage of star falling outside central band per profile



Percentage of saturation errors per profile

